

BCS3

Battle Command Sustainment Support System



2004 Army Knowledge Award Winner
"Knowledge Transformation Initiative" Category

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USA CASCOM

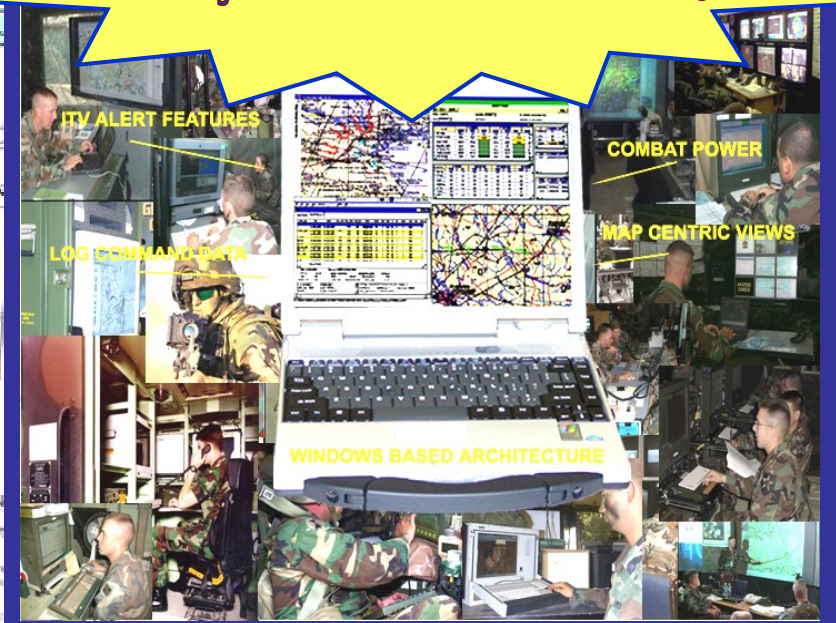
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In-Transit



Battle Command Sustainment Support System

BCS3



Combat Power



**Logistical COA
Analysis**



**Supply Point
Status**



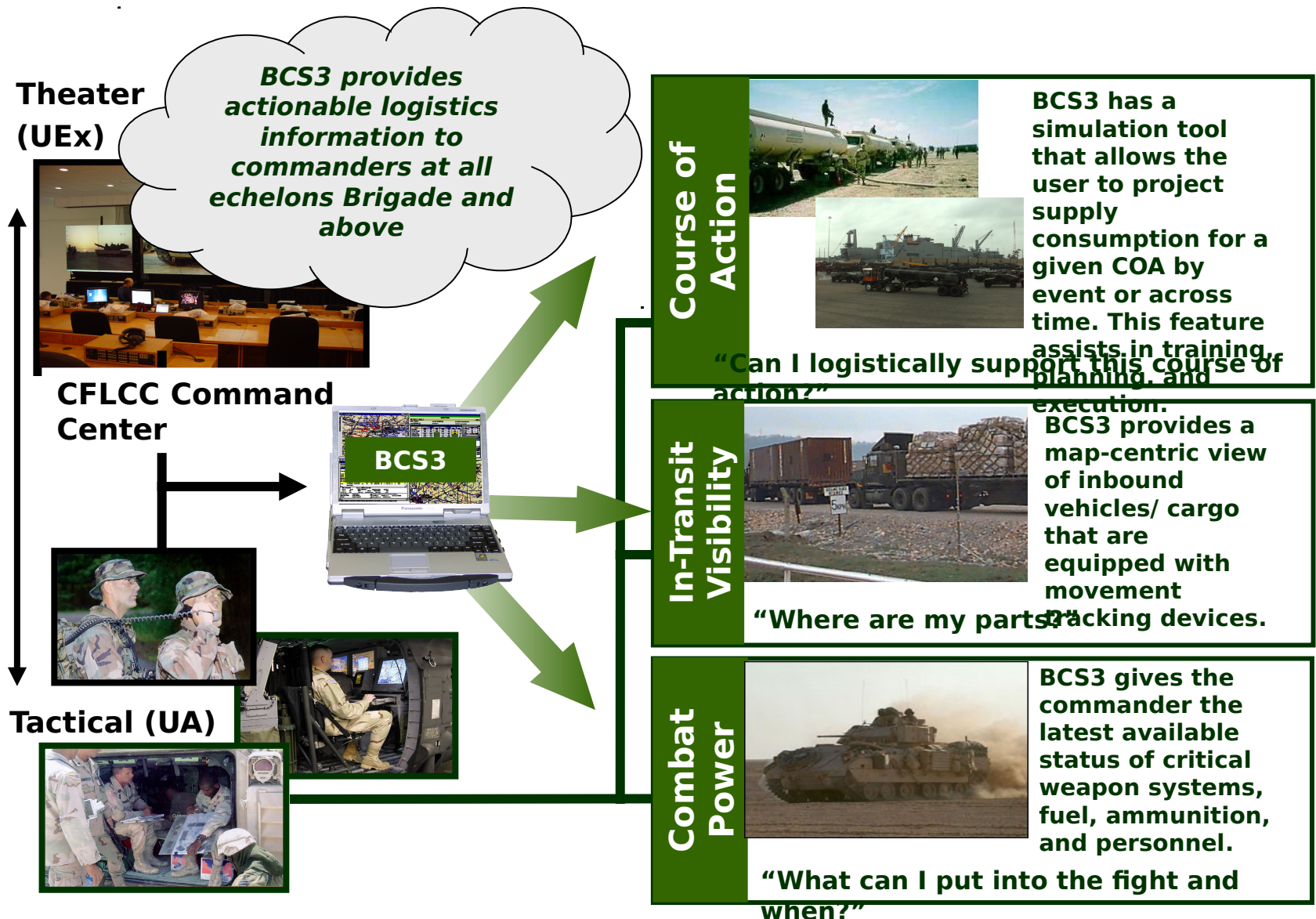
**Log related
CCIR Alerts**



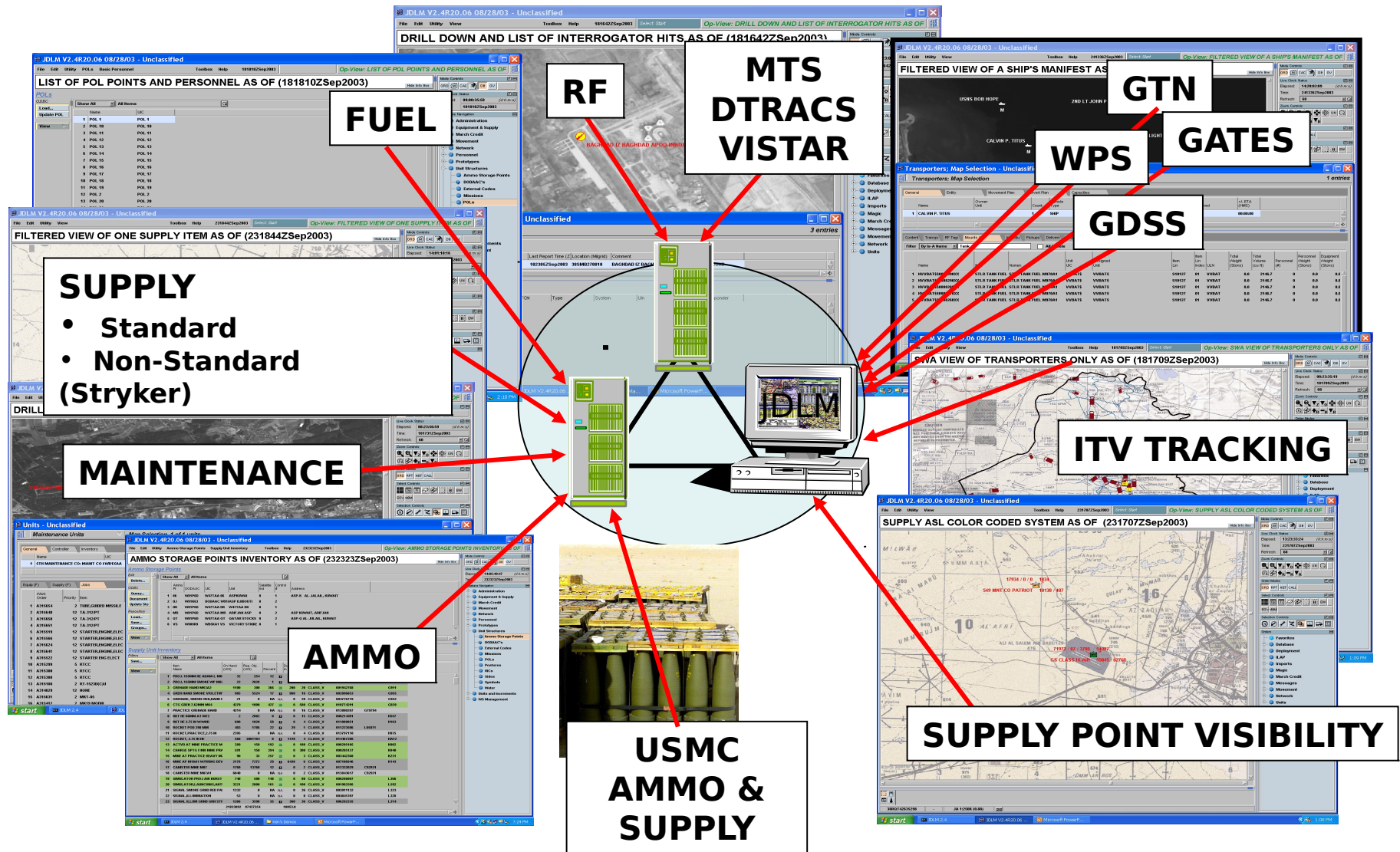
Actionable Logistics Information to Support the

Warfighter

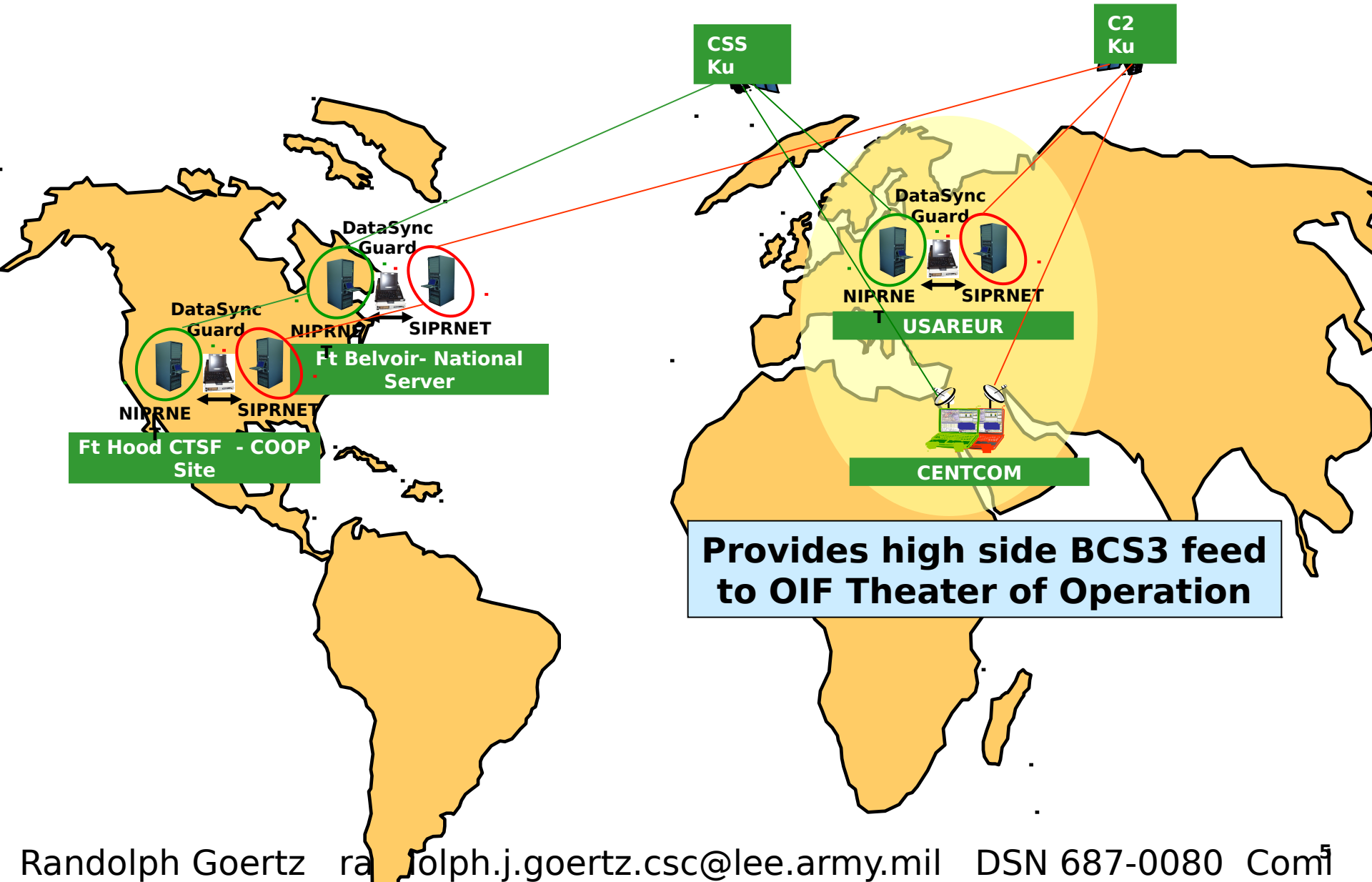
Value Added to Warfight



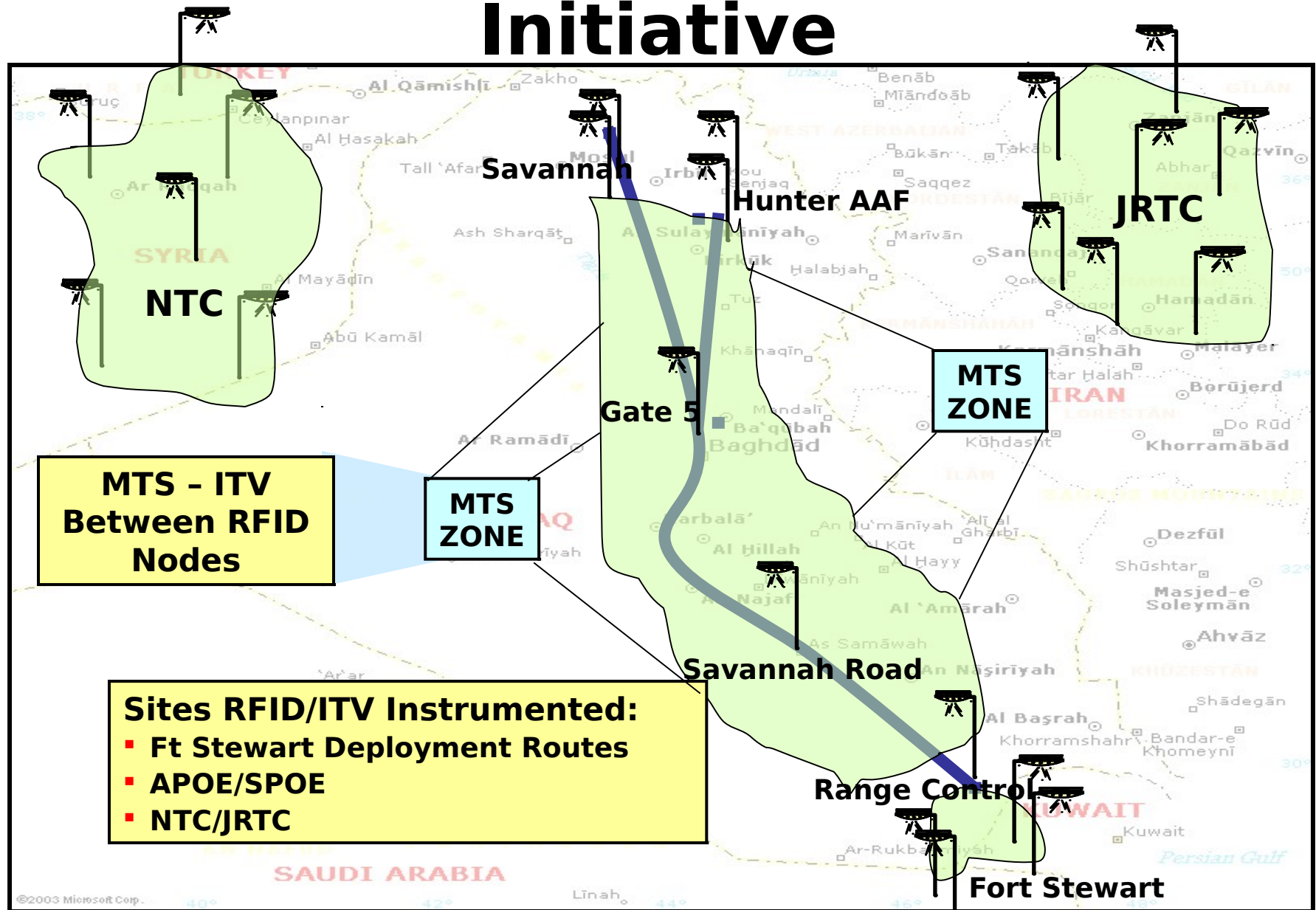
Logistics Common Operational Picture (LCOP)



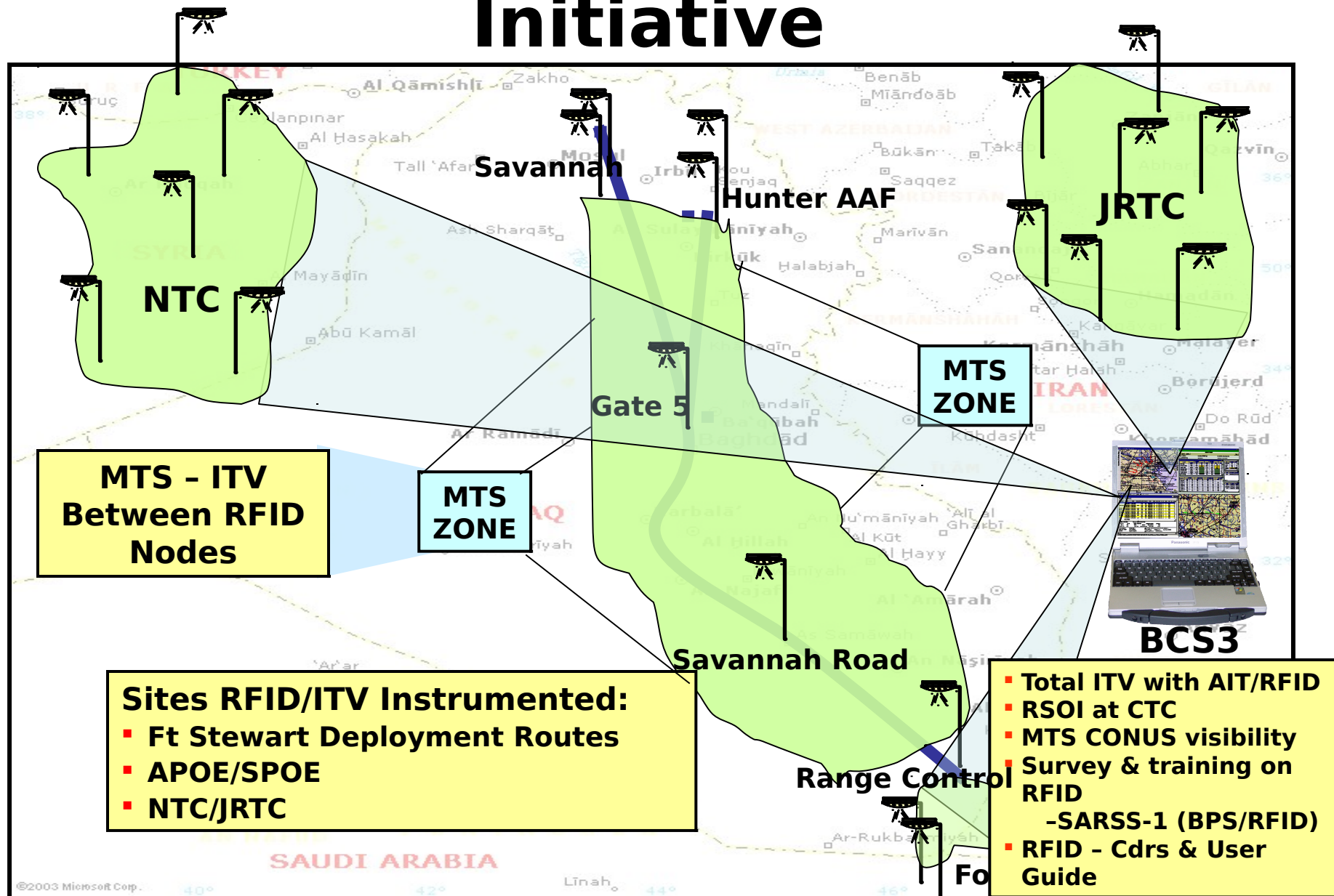
BCS3 Server Network



RFID Network & Training Initiative



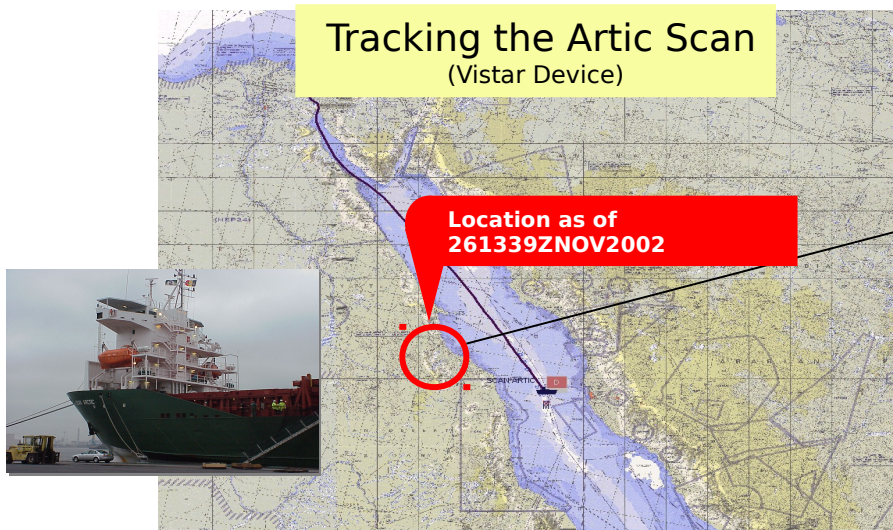
RFID Network & Training Initiative



Deployment Tracking and Rehearsals on BCS³

Rail/Ship Tracking & Manifest

- Train/Ship locations updated by Transponder
- Sources of data that can be automatically read in to provide manifest
 - TC-AIMS II manifest or departure reports
 - WPS ship manifest
 - MTMC cargo disposition report (unofficial)
 - Users can manually load transporters based on RF Interrogator hits at departure site



Transporters: Map Selection - FTTH & Victory Strike Live Feed Unclassified

Transporters: Map Selection

1 entries

General	Entry	Movement Plan	Disrupt Plan	Capacities				
Name	Plan State	Ops State	Depart Time (Z)	ETA (HMS)	Distance To Go (km)	Distance Moved (km)	Transport Class	Route Name
1 SCAM ARTIC	None	No Plan		0	0.00	0.00	Water	

WPS Cargo Manifest

Contents (F)	Transporters						
Show All	All Items						
Name	Item	Item Lin	Index	Category	Total Weight (kg)	Total Volume (cu ft)	Personnel (F)
26 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	1.2	543.1	0
27 AWCEBA010000100X	PU-797	G42238	01	TCH_INCREMENT	1.2	543.1	0
28 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	2.6	837.6	0
29 AWCEBA010000100X	02-88145A2	C88880	03	TCH_INCREMENT	1.4	610.9	0
30 AWCEBA010000100X	PU-797	G42238	01	TCH_INCREMENT	1.2	543.1	0
31 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	5.2	685.9	0
32 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	5.2	685.9	0
33 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	5.2	685.9	0
34 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	5.2	685.9	0
35 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	5.2	685.9	0
36 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	5.2	685.9	0
37 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	5.2	685.9	0
38 AWCEBA010000100X	PU-797	G42238	01	TCH_INCREMENT	1.2	543.1	0
39 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	1.3	543.1	0
40 AWCEBA010000100X	01-88101A2	C88880	01	TCH_INCREMENT	0.7	522.5	0
41 AWCEBA010000100X	PU-797	G42238	01	TCH_INCREMENT	1.2	543.1	0
42 AWCEBA010000100X	M1000	AF6004	01	TCH_INCREMENT	5.2	685.9	0
43 AWCEBA010000100X	01-88101A2	C88880	02	TCH_INCREMENT	0.7	522.5	0
44 AWCEBA010000100X	02-88103DWH	C88736	04	TCH_INCREMENT	18.3	7795.7	0
45 AWCEBA010000100X	PU-797	G42238	01	TCH_INCREMENT	1.2	543.1	0
46 AWCEBA010000100X	PU-797	G42238	01	TCH_INCREMENT	1.2	543.1	0

178.9 41947.9

Close

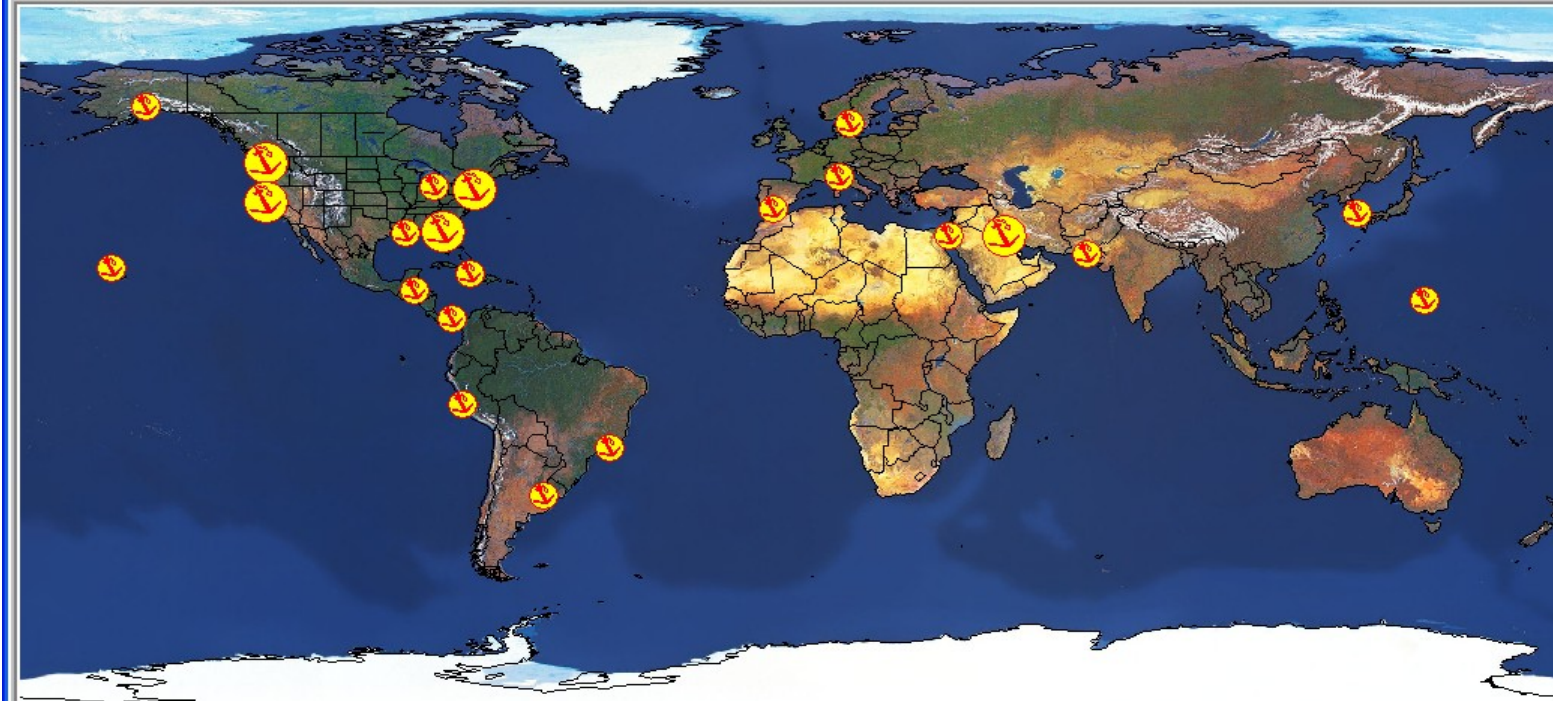
Print/Export

Save As...

Increased ITV by linking transporters with manifests

World View of Ports (171344ZOct2003)

Hide Info Box



Mode Controls

ORD M CAC DB OV

Live Clock Status

Elapsed: 37:20:10:31 (d:h:m:s)

Time: 171344ZOct2003

Refresh: 60

Zoom Controls

UN

Order Modes

ORD RPT NET CALL

Select Controls

EQV MSM

Selection Controls

Orders

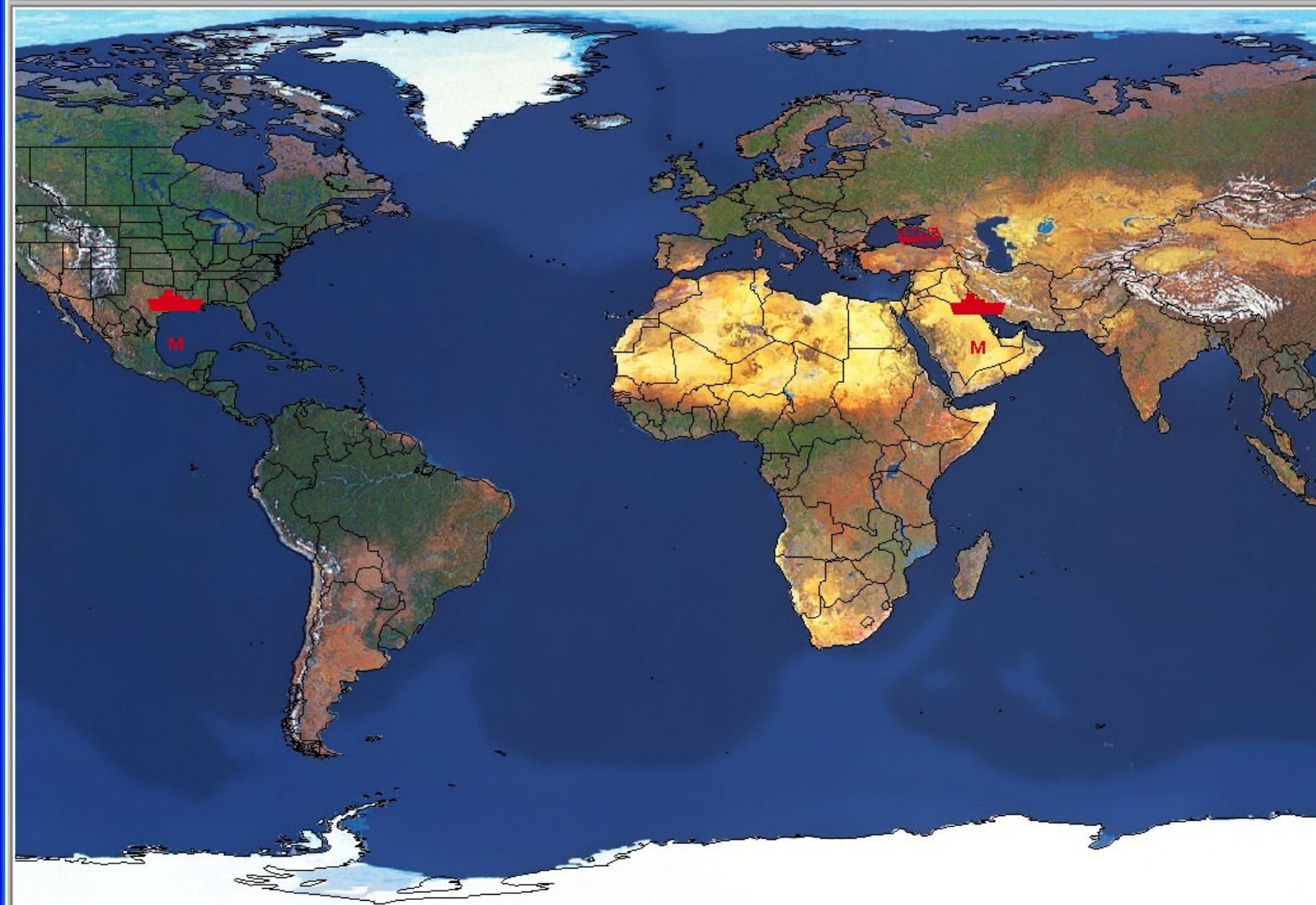
- Favorites
- Database
- Deployment
- ILAP
- Imports
- Magic
- March Credit
- Messages
- Movement
- Network
- Units



WORLD OVERVIEW (0.52)

World View of Ships (171353ZOct2003)

Hide Info Box



Mode Controls

ORD CAC DB OV

Live Clock Status

Elapsed: 37:20:19:30 (d:h:m:s)

Time: 171353ZOct2003

Refresh: 60

Zoom Controls

UN

Order Modes

ORD RPT NET CALL

Select Controls

EOY MSM

Selection Controls

Orders

- Favorites
- + Database
- + Deployment
- + ILAP
- + Imports
- + Magic
- + March Credit
- + Messages
- + Movement
- + Network
- + Units

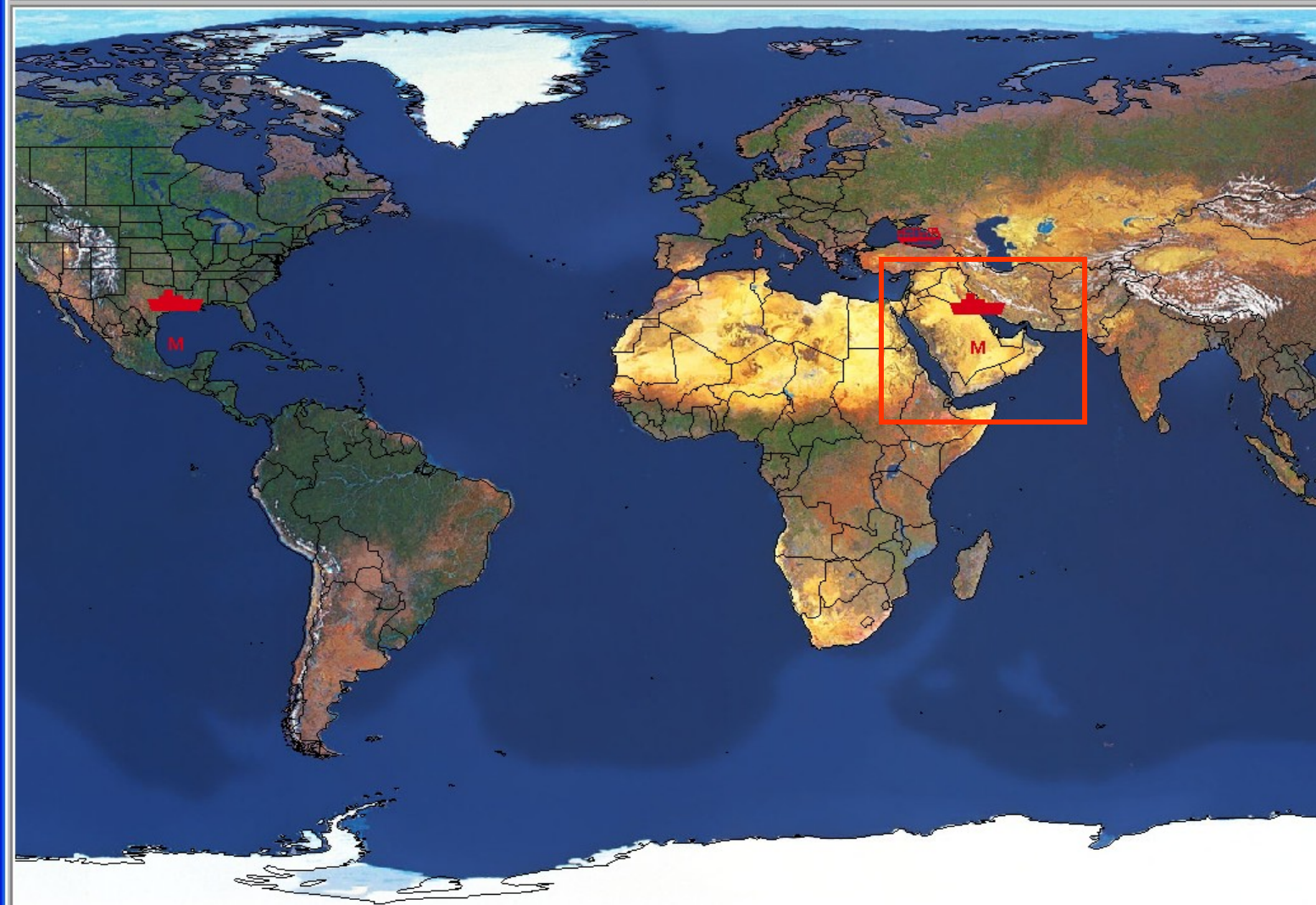


27FTG97770411

WORLD OVERVIEW (0.80)

World View of Ships (171353ZOct2003)

Hide Info Box



Mode Controls

ORD CAC DB OV

Live Clock Status

Elapsed: 37:20:19:30 (d:h:m:s)

Time: 171353ZOct2003

Refresh: 60

Zoom Controls

UN

Order Modes

ORD RPT NET CALL

Select Controls

EW

Selection Controls

Orders

- Favorites
- + Database
- + Deployment
- + ILAP
- + Imports
- + Magic
- + March Credit
- + Messages
- + Movement
- + Network
- + Units



27FTG97770411

WORLD OVERVIEW (0.80)

Ship Drill Down (171404ZOct2003)

Hide Info Box



Mode Controls

ORD CAC DV

Live Clock Status

Elapsed: 37:20:30:30 (d:h:m:s)

Time: 171404ZOct2003

Refresh: 60

Zoom Controls

UN

Order Modes

ORD RPT NET CALL

Select Controls

Selection Controls

Orders

- Favorites
- Database
- Deployment
- ILAP
- Imports
- Magic
- March Credit
- Messages
- Movement
- Network
- Units



39RTN11635531

I1 10M (0.84)

LOADING VESSELS & MANIFESTS THROUGH IRRIS AS OF (232334ZSep2003)

USNS BOB HOPE



M

2ND LT JOHN P BOB



M

CALVIN P. TITUS



M

NORTHERN LIGHTS



M

Query/Load Vessels - Unclassified

Query/Load Vessels

Type: by Vessel

ILAP Configured:

Vessel: BOB HOPE

Query

Show All All Items

	Vessel	Event Code	Event Time (Z)	Location
1	USNS BOB HOPE	LOADING POE	180000ZApr2003	

Export...

Excel...

Print...

Properties.

☒ Load Manifest

Close

Load

Mode Controls

ORD M CAC DB OV

Live Clock Status

Elapsed: 14:06:00:46 (d:h:m:s)

Time: 232334ZSep2003

Refresh: 60

Zoom Controls



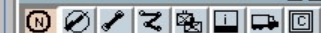
Order Modes

ORD RPT NET CALL

Select Controls



Selection Controls



Orders

- Favorites
- Database
- Deployment
- ILAP
 - Analyze RIC TCN Document
 - Load POL Activity ^
 - Load Water Activity ^
 - Query Ammo Storage Pts
 - Query Ammo-Due-In Document
 - Query RIC ^
 - Query RIC Open Document
 - Query SAMS ^
 - Query Vessels (IRRIS) ^
 - Resolve Undefined RF Tag
 - Update POL Activities ^
 - Update RIC ABF ^
 - Update Static Tables ^
 - Update Stockage Data ^
 - Update Water Activities ^
- Imports
- Magic
- March Credit
- Messages
- Movement
- Network
- Units

Ship Manifest Drill Down (171411ZOct2003)

Hide Info Box



Mode Controls

ORD [M] CAC [Z] DB OV

Live Clock Status

Elapsed: 37:20:37:30 (d:h:m:s)

Time: 171411ZOct2003

Refresh: 60 [Q]

Zoom Controls

[Icons]

Select Controls

[Icons]

Selection Controls

[Icons]

Op-Views Selector

- | Op-View Name | De |
|--------------|--------------------------|
| 10 | Interrogators Drill Down |
| 14 | Maint Units Only |
| 15 | All on with Legend |
| 16 | Sig Items 53 |
| 17 | Barges Only |
| 18 | Supply Units Only |
| 19 | Rail Only |
| 20 | Trains Only |
| 21 | Info Box |
| 22 | TCN OP View |
| 23 | Unit Strength Diagram |
| 24 | PANATRAV Vehicles On |
| 25 | M122 Increment |
| 26 | 21327 Interrogator |
| 27 | Class IX Units Only |
| 28 | M1070 Only |
| 29 | World View |
| 30 | World View of Interrog |
| 31 | Interrogators Drill Dow |
| 32 | World View of Nodes |
| 33 | Node Drill Down |
| 34 | World View of Increme |
| 35 | Increments Drill Down |
| 36 | World View of Ports |
| 37 | Sea/Tac Port |
| 38 | World View of Ships |
| 39 | Ship Drill Down |
| 40 | Ship Manifest Drill Dow |

Transporters; Map Selection - Unclassified

[Icons]

Transporters; Map Selection

1 entries

General

Entity

Movement Plan

Divert Plan

Capacities

	Name	Speed (km/h)	Heading (deg)	Symbol	Location (Milgrid)	Elevation (ft)	Status	Invisible	
1	USNS BOB HOPE	0.00	0.000	SHIP_TRANSPORTER	39RTN115555	0.0	Active	No	

Contents (F)

Transponders

RF Tags

Mounts (F)

Individual (F)

Pickups (F)

Deliveries (F)

Trspndr Events

Positions

All Level Show All [v] All Items [v] All Levels [v]

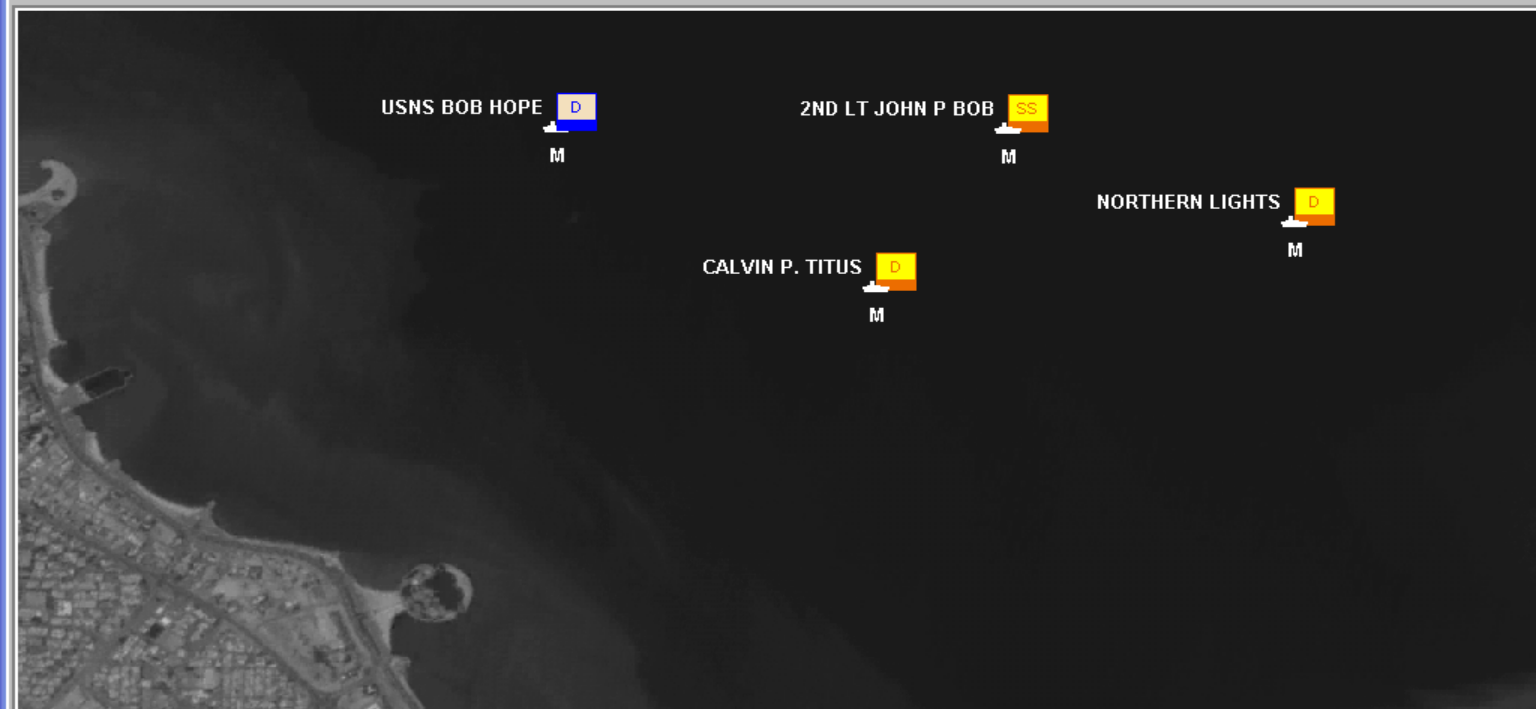
	Name	Item	Nomen	Unit UIC	Assigned Unit [87]	Item Lin	Item Index	ULN	Total Weight (Stons)
1	AWB0VAA\$0D00040XX	M1078 WOWN	TRK CARGO LMTV W/EQ	WB0VAA	87TH MAINTENANCE BN HHD: HHD, CORPS T60081	01	TGDCC		9.7
2	AWB0VAA\$0D00130XX	M998	TRK UTIL CRG/TRP CARR	WB0VAA	87TH MAINTENANCE BN HHD: HHD, CORPS T61494	01	TGDCC		2.6
3	AWB0VAA\$0D00210XX	M998	TRK UTIL CRG/TRP CARR	WB0VAA	87TH MAINTENANCE BN HHD: HHD, CORPS T61494	01	TGDCC		2.6
4	AWB0VAA\$0D00230XX	M998	TRK UTIL CRG/TRP CARR	WB0VAA	87TH MAINTENANCE BN HHD: HHD, CORPS T61494	01	TGDCC		2.6
									42.6

Close

Print/Export

Save As...

DRILL DOWN AND LIST OF A SHIP INCREMENT (CARGO) AS OF (181655ZSep2003)



Mode Controls

ORD M CAC DB OV

Live Clock Status

Elapsed: 08:23:20:59 (d:h:m:s)

Time: 181655ZSep2003

Refresh: 60

Zoom Controls

Order Modes

ORD RPT NET CALL

Select Controls

EOv MSM

Selection Controls

Orders

- Favorites
- Database
- Deployment
- ILAP
- Imports
- Magic
- March Credit
- Messages
- Movement

Increments; Map Selection - Unclassified

Increments; Map Selection

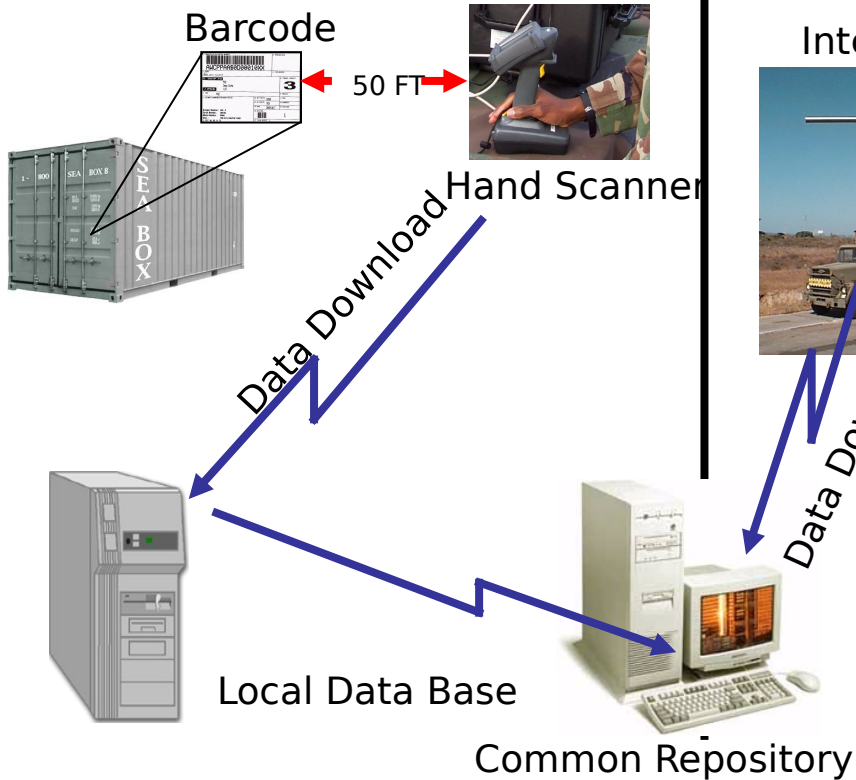
1399 entries

General		Load	Location	TCN	Mov Plan	Repair				
	Name	Item	Nomen	Linum	Index	UIC	Assigned Unit	ULN	Where	For
1	AWTHFAA\$0D03240XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
2	AWTHFAA\$0D03250XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
3	AWTHFAA\$0D03260XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
4	AWTHFAA\$0D03270XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
5	AWTHFAA\$0D03280XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
6	AWTHFAA\$0D03290XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
7	AWTHFAA\$0D03300XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
8	AWTHFAA\$0D03320XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
9	AWTHFAA\$0D03330XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
10	AWTHFAA\$0D03340XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
11	AWTHFAA\$0D03350XX	M969A1	STLR TK 5000 GAL AUTO	S73372	02	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
12	AWTHFAA\$0D03370XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	
13	AWTHFAA\$0D03390XX	M915A1	TRUCK TRACTOR 6X4	T61103	03	WTHFAA	1710TH TRANSPORTATION COMPANY: T MDM TR		USNS BOB HOPE	

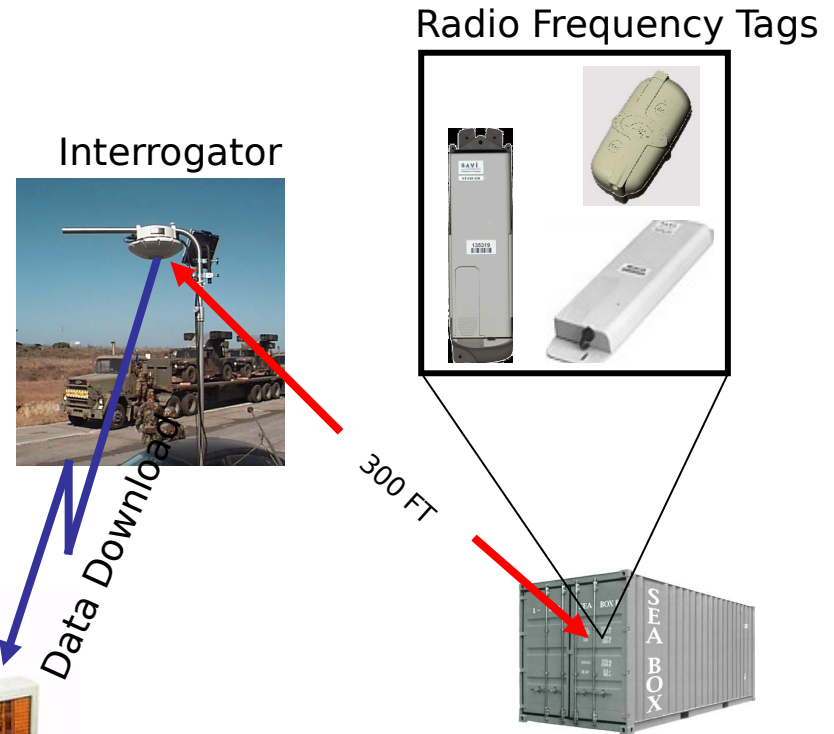
BCS³ ITV Tracking

ITV Data Capture

Manual Interrogation



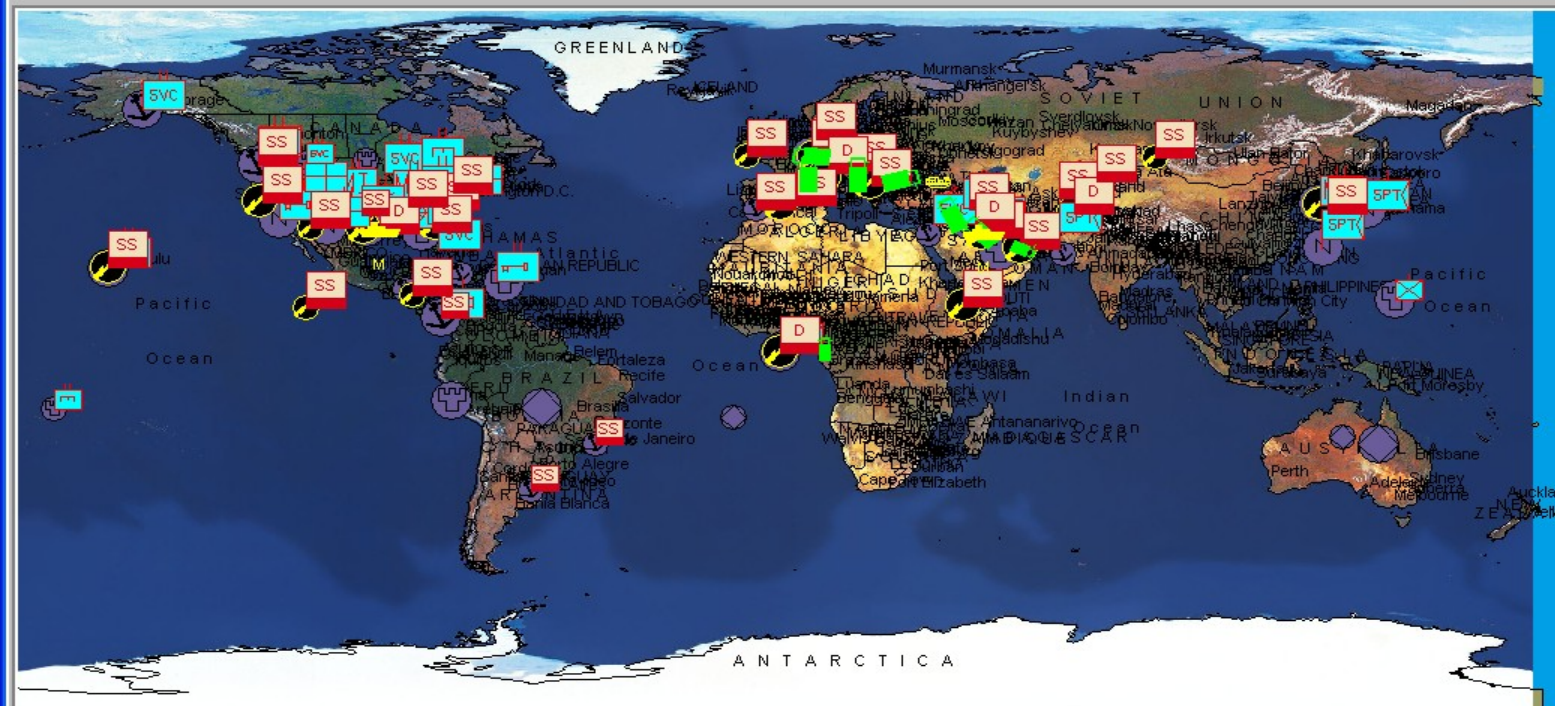
Electronic Interrogation



**Most complicated
component with multiple
vendors, architectures,
and technology**

WORLD VIEW AS OF (241452ZSep2003)

Hide Info Box



Mode Controls

ORD (M) CAC DB OV

Live Clock Status

Elapsed: 14:21:18:02 (d:h:m:s)

Time: 241452ZSep2003

Refresh: 60

Zoom Controls

Navigation icons: pan, zoom in, zoom out, reset, etc.

Order Modes

ORD RPT NET CALL

Select Controls

Icons for selecting different data layers or controls.

Selection Controls

Icons for selecting and manipulating objects on the map.

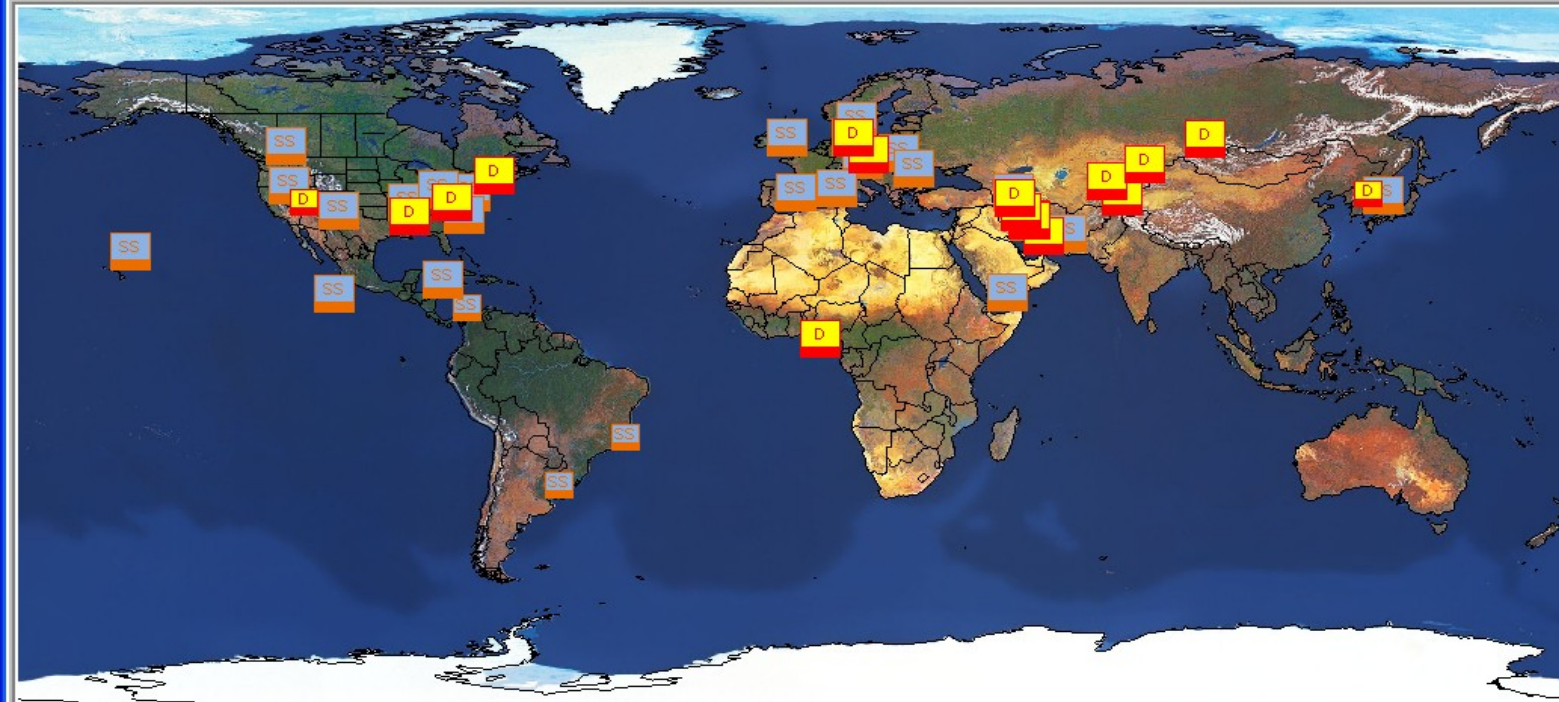
Orders

- Favorites
- Database
- Deployment
- ILAP
- Imports
- Magic
- March Credit
- Messages
- Movement
- Network
- Units



World View of Increments (171328ZOct2003)

Hide Info Box



Mode Controls

ORD (M) CAC DB OV

Live Clock Status

Elapsed: 37:19:54:31 (d:h:m:s)

Time: 171328ZOct2003

Refresh: 60 [Dropdown]

Zoom Controls

[Icons for zooming and navigation]

Order Modes

ORD RPT NET CALL

Select Controls

[Icons for selection and display]

Selection Controls

[Icons for selection and display]

Orders

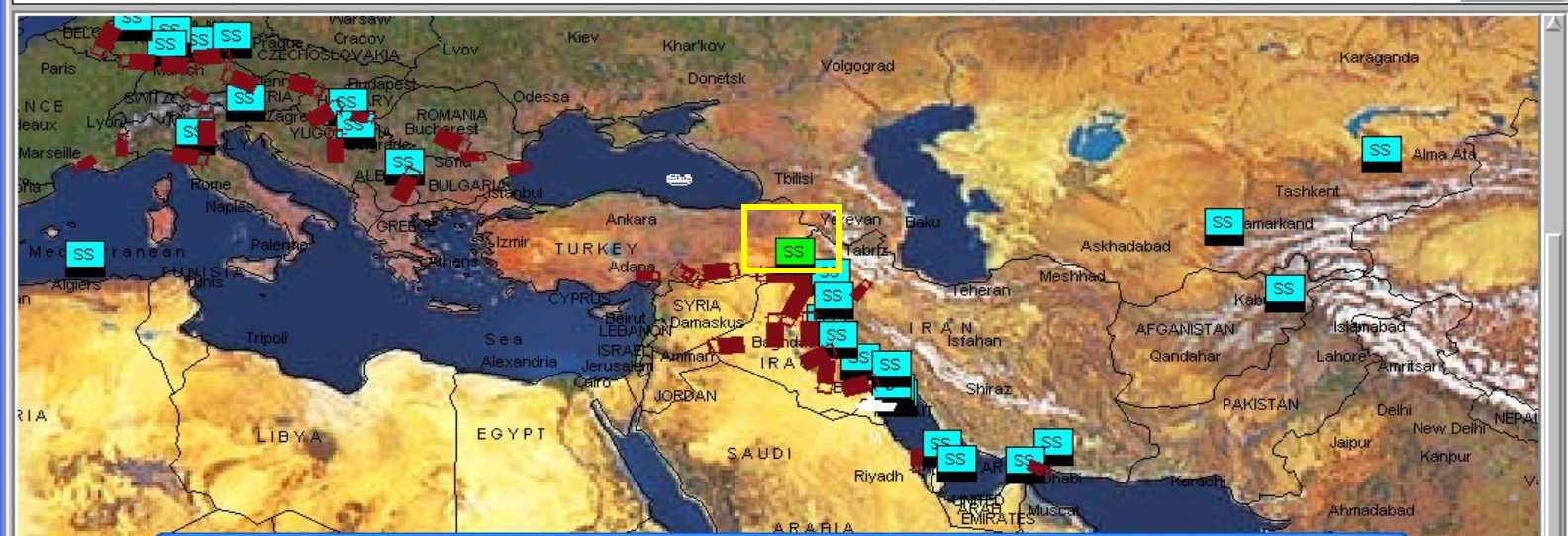
- Favorites
- Database
- Deployment
- ILAP
- Imports
- Magic
- March Credit
- Messages
- Movement
- Network
- Units



16UDU82524674

WORLD OVERVIEW (0.52)

DRILL DOWN AND LIST OF INCREMENTS AS OF (232020ZSep2003)



Mode Controls

ORD (M) CAC DB OV

Live Clock Status

Elapsed: 14:02:46:16 (d:h:m:s)

Time: 232020ZSep2003

Refresh: 60

Zoom Controls

Map navigation controls including zoom in, zoom out, and other map manipulation tools.

Order Modes

ORD RPT NET CALL

Select Controls

Map selection and display controls.

Selection Controls

Map selection and display controls.

Orders

- Favorites
- Database
- Deployment
- ILAP
- Imports
- Magic
- March Credit
- Messages
- Movement
- Network
- Units

Increments; Map Selection - Unclassified

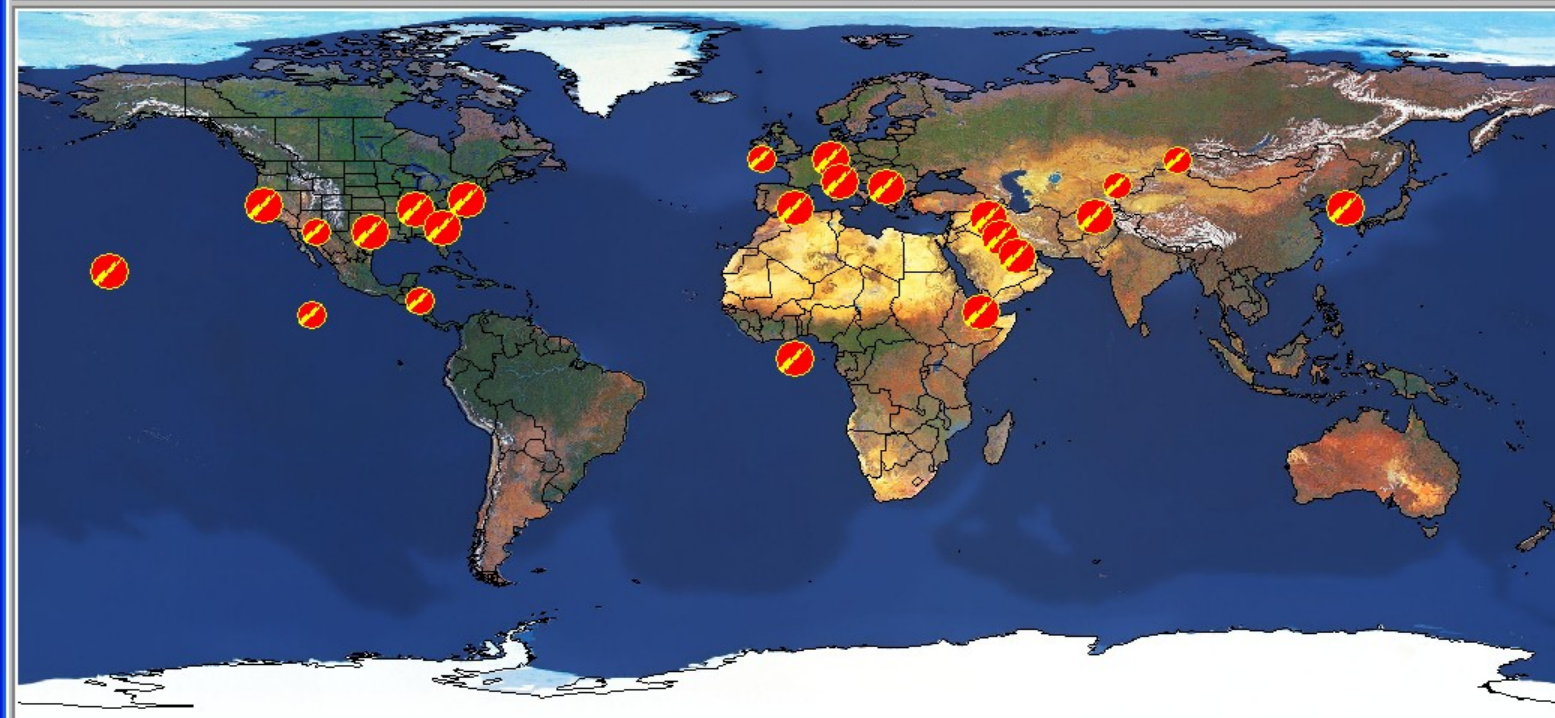
Increments; Map Selection 22 entries

General	Load	Location	TCN	Mov Plan	Repair	
Name	Item	Nomen	Linum	Index	UIC	Assigned Unit
15	W9028X30419000BXX				WNBPO4	200 CS SPT DIV LSD
16	244338 (UNDEFINED RF)					
17	MJLCFWD0010470XXX				MJLCFW	MJLCFW
18	W9028X30309005DEF				WNBPO4	200 CS SPT DIV LSD

Equip (F)	Supply (F)	Individual	Itinerary	Transponders	RF Tags	
Name	Lead TCN	Type	Is Active	System	Uln	Dest
1	316526	MJLCFWD0010470XXX	Yes			

World View of Interrogators (171247ZOct2003)

Hide Info Box



Mode Controls

ORD M CAC DB OV

Zoom Controls

UN

Map Modes

V R G Z

Vector Map Legend

V	Layer Name	Clr	FI
N	Grid		
N	Time Zones		
N	HIGH RES NAMES		
N	NAMES		
Y	BOUNDARIES		
Y	Raster Map		
Y	CITIES		
Y	RIVERS WATER		
Y	LAND AREAS		
	BACKGROUND		



21WWP56991384

WORLD OVERVIEW (0.52)

Interrogators Drill Down (171301ZOct2003)

Hide Info Box



BAGHDAD IZ BAGHDAD APOD INBOUND/OUTBOUND

Interrogators; Map Selection - Unclassified

Interrogators; Map Selection

3 entries

General

	Name	Status	Disable	Type	Last Report Time (Z)	Location (Milgrid)	Comment
1	23298			Read	102305ZSep2003	38SMB270810	BAGHDAD IZ BAGHDAD APOD INBOUND/OUTBO

Detections

	Time (Z)	RF Tag Name	Lead TCN	Type	System	Uln	Dest	Transponder
1	102205ZSep2003	115570	W803RA31530035X					
2	101034ZSep2003	169628	SW31620055M231A					
3	092232ZSep2003	177595	AWZPUAA\$0F0006					
4	102014ZSep2003	192580	W803RA32240031X					
5	101615ZSep2003	195858	AW91W74\$0F52290					
6	102205ZSep2003	211617	W91XSC32160002X					
7	102205ZSep2003	215666	AW91W74\$0F01000					

Close

Print/Export

Save As...

38SMB25528195

I1 10M (1.00)

WORLD VIEW OF TRANSPORTERS ONLY AS OF (241458ZSep2003)

Hide Info Box



Mode Controls

ORD
CAC
DB
OV

Live Clock Status

Elapsed: 14:21:24:03 (d:h:m:s)
Time: 241458ZSep2003
Refresh: 60

Zoom Controls

[Icons for zooming in, out, and other map controls]

Order Modes

ORD
RPT
NET
CALL

Select Controls

[Icons for selecting different data layers]

Selection Controls

[Icons for selecting specific objects on the map]

Orders

- Favorites
- Database
- Deployment
- ILAP
- Imports
- Magic
- March Credit
- Messages
- Movement
- Network
- Units

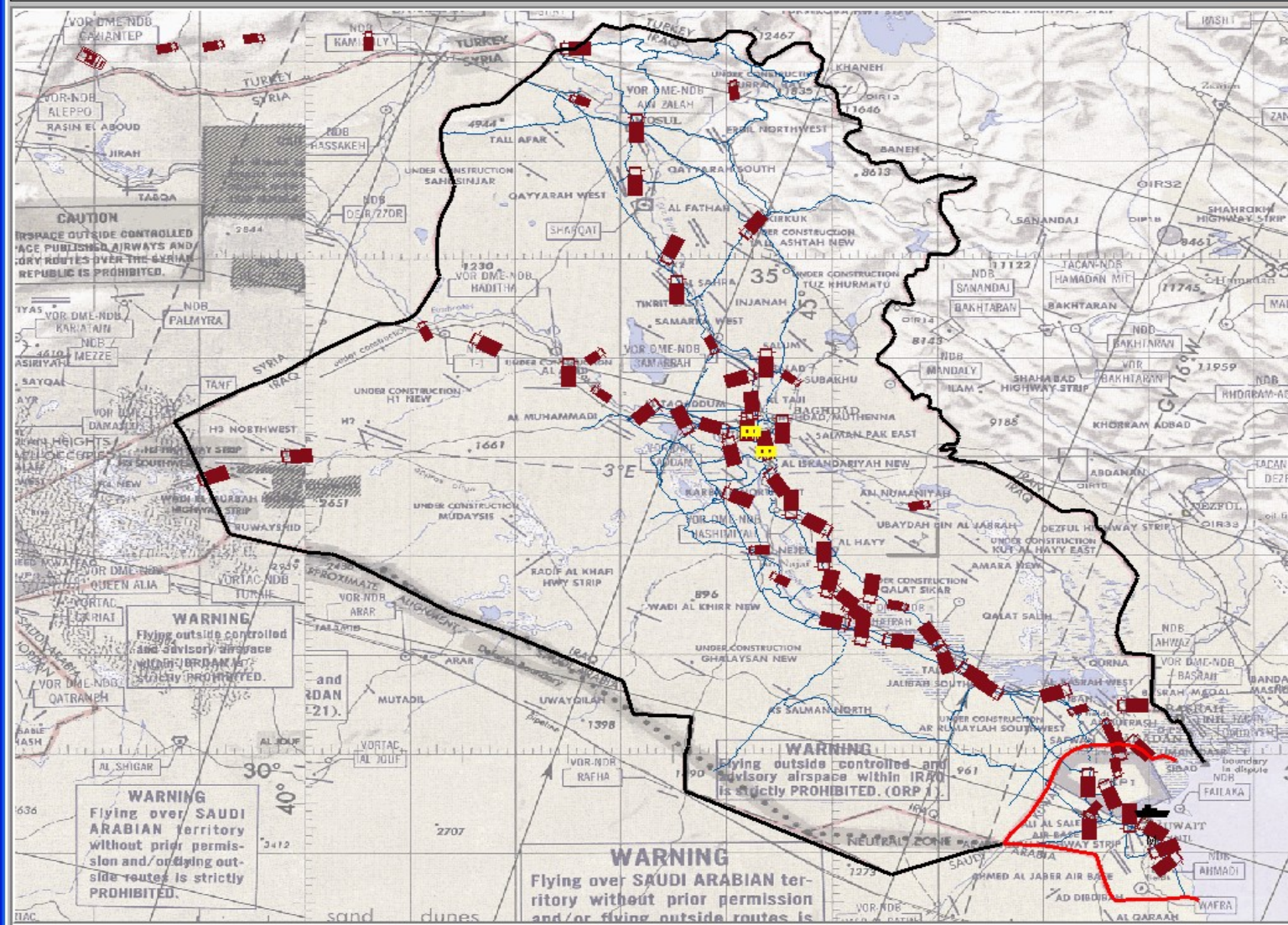


27RTJ43318969

WORLD OVERVIEW (0.52)

SWA VIEW OF TRANSPORTERS ONLY AS OF (181709ZSep2003)

Hide Info Box



Mode Controls

ORD M CAC DB OV

Live Clock Status

Elapsed: 08:23:35:19 (d:h:m:s)

Time: 181709ZSep2003

Refresh: 60

Zoom Controls

UN

Order Modes

ORD RPT NET CALL

Select Controls

EW

EOV WSM

Selection Controls

Orders

Favorites

Database

Deployment

ILAP

Imports

Magic

March Credit

Messages

Movement

Network

Units

☒

Refresh:

Select Controls

EO v	063801	
Schedule B		

Op-Mews Selector



Hide Info Box

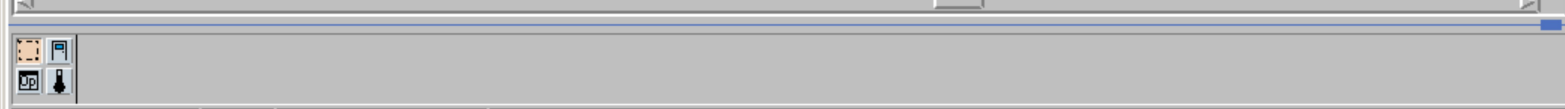


24 entries

- Load POL Activity ^
- Load Water Activity ^
- Query Ammo Storage Pts
- Query Ammo-Due-In Docu
- Query RIC ^
- Query RIC Open Document
- Query SAMS ^
- Query Vessels (IRRIS) ^
- Resolve Undefined RF Tag
- Update POL Activities ^
- Update RIC ABF ^
- Update Static Tables ^
- Update Stockage Data ^
- Update Water Activities ^
- Imports
- Magic
- March Credit
- Messages
- Movement
- Network
- Units

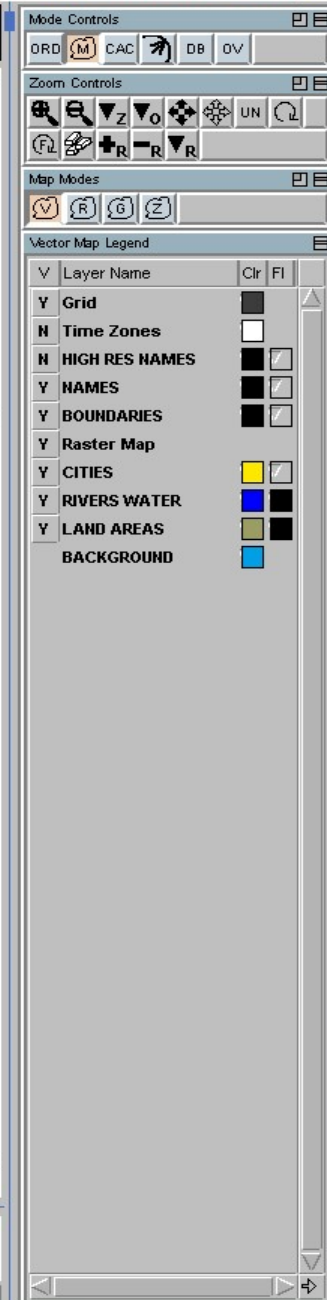
Save As...

Hide Info Box



NEW Timer Reports Manager

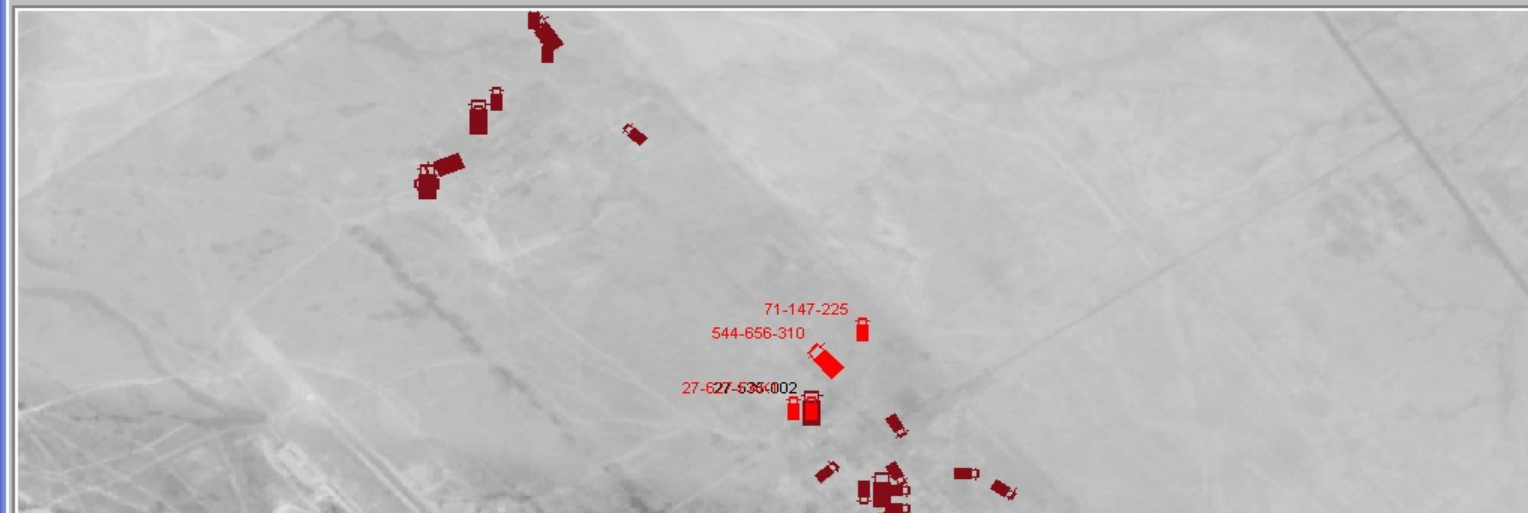
Hide Info Box



38SMB26358021

DRILL DOWN TO VEHICLE MESSAGE TRAFFIC AS OF (181721ZSep2003)

Hide Info Box



Mode Controls

ORD M CAC DB OV

Live Clock Status

Elapsed: 08:23:46:59 (d:h:m:s)

Time: 181721ZSep2003

Refresh: 60

Zoom Controls

Order Modes

ORD RPT NET CALL

Select Controls

EOv WSM

Selection Controls

Orders

Favorites Database

Transporters; Map Selection - Unclassified

Transporters; Filter: REPLYs

36 entries

General									
Entity		Movement Plan		Divert Plan		Capacities			
Name	Owner Unit	Count	Vehicle Type	Class	Mission	Tail Number	Constrained	+/- ETA (HMS)	
1 7CSGFAK1		1	TRUCK	ROAD				00:00:00	
2 71-HHD-FAK1		1	TRUCK	ROAD				00:00:00	

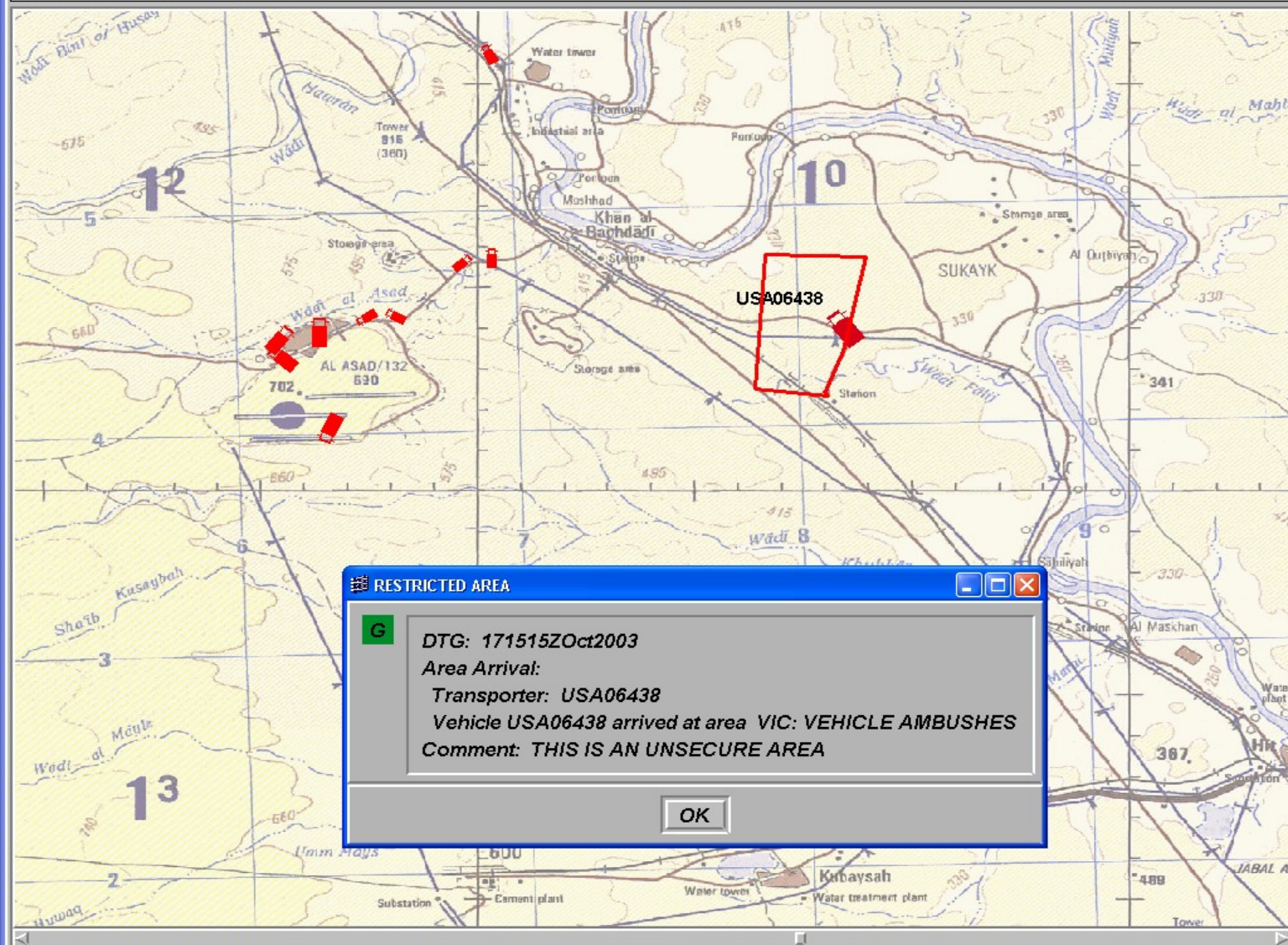
Contents (F)		Transponders		RF Tags		Mounts (F)		Individual (F)		Pickups (F)		Deliveries (F)		Trspndr Events		Positions	
Previous Hours:		10000															
	Time (Z)	Type	Location (Milgrid)	Destination	TMR	Comment											
1	110539ZSep2003	Vehicle-to-vehicle	38SMC441563			YOURCONVOY WILL NOT LEAVE TODAY THEY\nWILL LEAVE ON THE 12 S											
2	100417ZSep2003	Vehicle-to-vehicle	38SMC441563			WHERE IS YOUR CURRENT LOCATION AND S\nSTATUS.\nCPT SCHWARTZ\											
3	100631ZSep2003	Vehicle-to-vehicle	38SMC441563			WELCOME TO ANACONDA!\nLET ME KNOW WHEN THE TMR LANDS AT\nYOU											
4	100601ZSep2003	Vehicle-to-vehicle	38SMC441563			THIS 71 BN RTO I NEED TO KNOW YOUR\nCURRENT LOCATION ASAP TO											
5	100559ZSep2003	Vehicle-to-vehicle	38SMC441563			1SG WHAT IS YOUR CURRENT LOCATION!\n?nWE NEED TO HEAR FROM YO											
6	280202ZAug2003	Vehicle-to-vehicle	38SMC441563			ROGER THANKS SGT HARPER\nSGT DANIELS\n											
7	280141ZAug2003	Vehicle-to-vehicle	38SMC441563			ROGER SIR, WILL LOG YOU IN SP @0600.\nMAKE SURE YOU DTRACS W											
8	261211ZAug2003	Vehicle-to-vehicle	38SMC441563			WE GOT TRANSMISSIONS BUT SFC CALLEND\nER TALKED TO THE 3 BUT											
9	260938ZAug2003	Vehicle-to-vehicle Rep	38SMC441563			YOUR IN THE TOWN ARE'T YA INPUT THE\nGRID TO THE OBJ MA47596											
10	260735ZAug2003	Vehicle-to-vehicle	38SMC441563			THAT'S A GOOD COPY HAS BEEN LOGGED A\nnND REPORTED TO THE 3\n											
11	260547ZAug2003	Vehicle-to-vehicle	38SMC441563			LET US KNOW IF YOU HAVE ANY MORE\nPROBLEMS AND WHEN YOU GET											

General		Entity	Movement Plan		Divert Plan
	Name	Speed (km/h)	Heading		Symbol
1	18-41-103	0.00	0.000		CONVOY_TRANSPORTER
2	18-41-108	0.00	0.000		CONVOY_TRANSPORTER
3	18-41-109	0.00	0.000		CONVOY_TRANSPORTER
4	18-41-116	0.00	0.000		CONVOY_TRANSPORTER
5	18-41-101	0.00	0.000		CONVOY_TRANSPORTER
6	18-41-102	0.00	0.000		CONVOY_TRANSPORTER
					

Positions		Contents (F)	Mounts (F)	Individual (F)
Previous Hours:		24		
	Comment			
1	116 IS BEHIND 101\n			
2	TURN OFF YOUR HAZARD LIGHTS\n			
3	CHECK OUT BRAKES ON THE LEFT SIDEKEEP\nAND DRIVER SIDE ASAP!			
4	KEEP YOUR EYES ON BRAKES LEFT SIDE\n			
5	116 BEHIND 107 NOW HAVE FUN GOOD LUCK\nON THE BRAKES\n			

Proximity Report (171516ZOct2003)

Hide Info Box



RESTRICTED AREA

G

DTG: 171515ZOct2003

Area Arrival:

Transporter: USA06438

Vehicle USA06438 arrived at area VIC: VEHICLE AMBUSHES

Comment: THIS IS AN UNSECURE AREA

OK

Mode Controls

ORD CAC DB OV

Live Clock Status

Elapsed: 37:21:42:30 (d:h:m:s)

Time: 171516ZOct2003

Refresh: 60

Zoom Controls

UN

Order Modes

ORD NET

Select Controls

EOV MSM

Selection Controls

Reports

Basic Reports

Maintenance Report

Movement Itinerary

Unit Load Rollup

Unit Status Report

Diagrams

Unit Strength

Reports Managers

Reports Manager (Other)

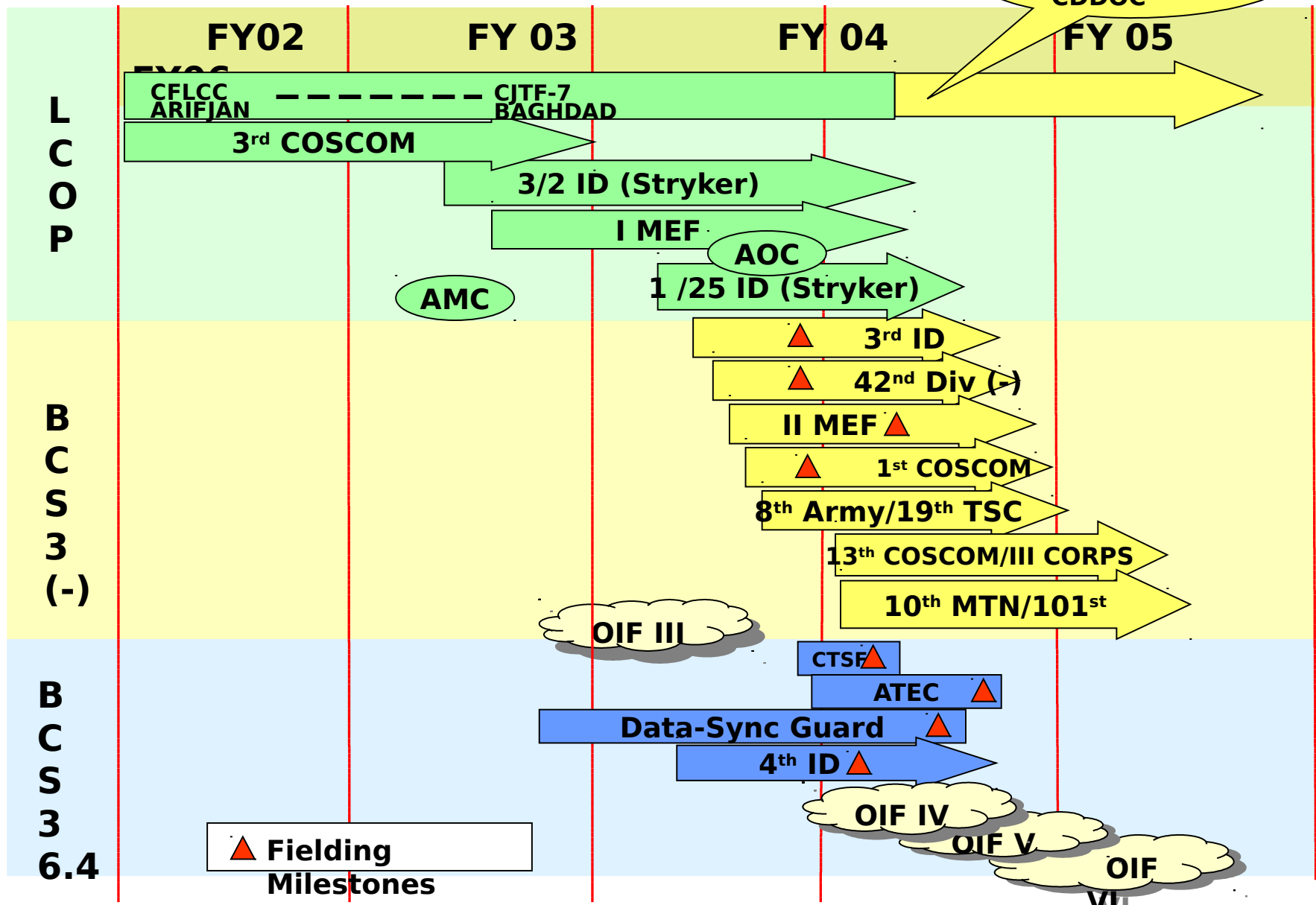
Timer Reports Manager

Selected Transporter named USA06438, of type TRUCK, at location 38SKC81724424

Report...

JA 1:250K (0.70)

BCS3 Fielding





BCS3

CASCOM, TSM, BCS3/Director DCD

ESCOL Tim Kleppinger

robert.t.kleppinger@lee.army.mil

DSN 687-1222, Com (804)734-1222, Fax
(804)734-1198

CASCOM Deputy Director DCD ES

Brian Wood

woodb@lee.army.mil

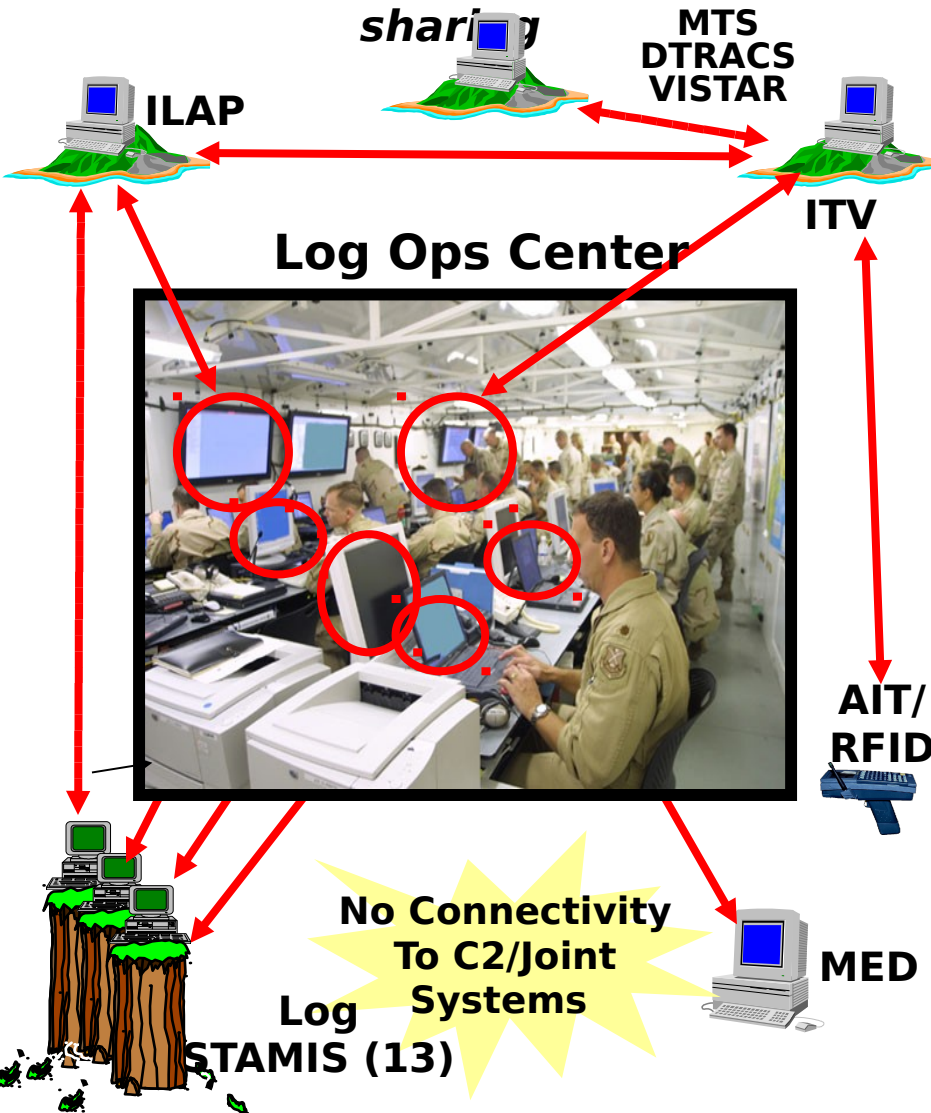
DSN 687-1222, Com (804)734-1222, Fax
(804)734-1198

CASCOM Home Page <http://www.cascom.army.mil>

BACK UP

"The Balkans" **Before LCOP**

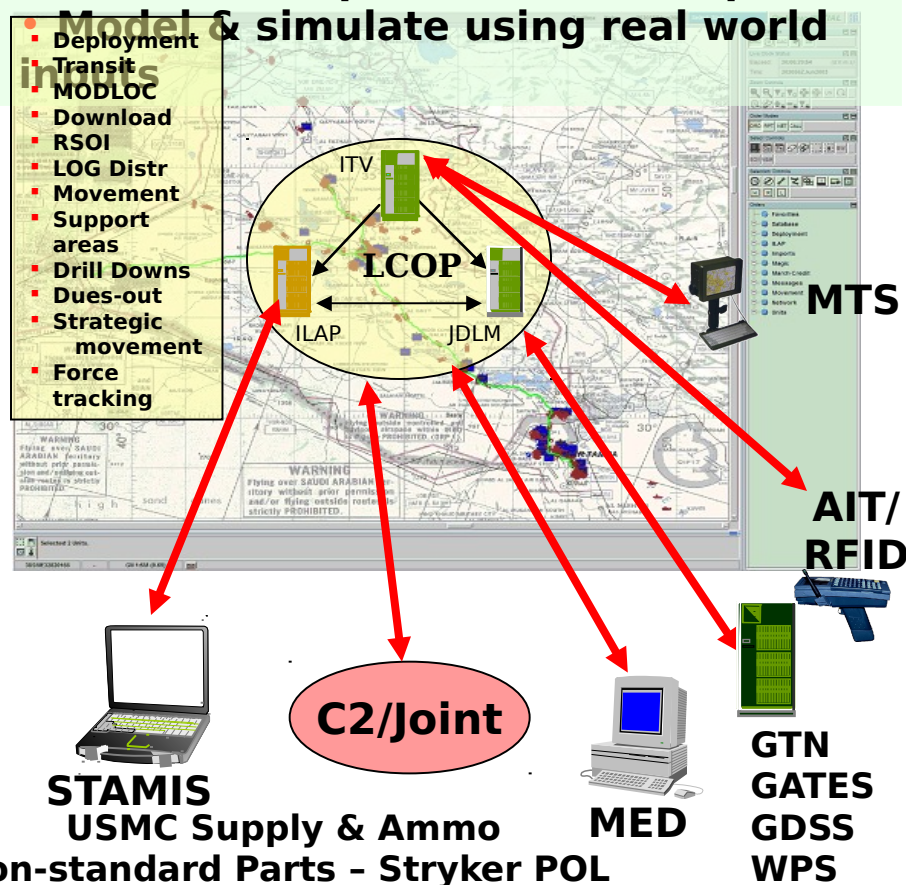
Islands of Info w/constrained info sharing



"OEF - OIF" **LCOP**

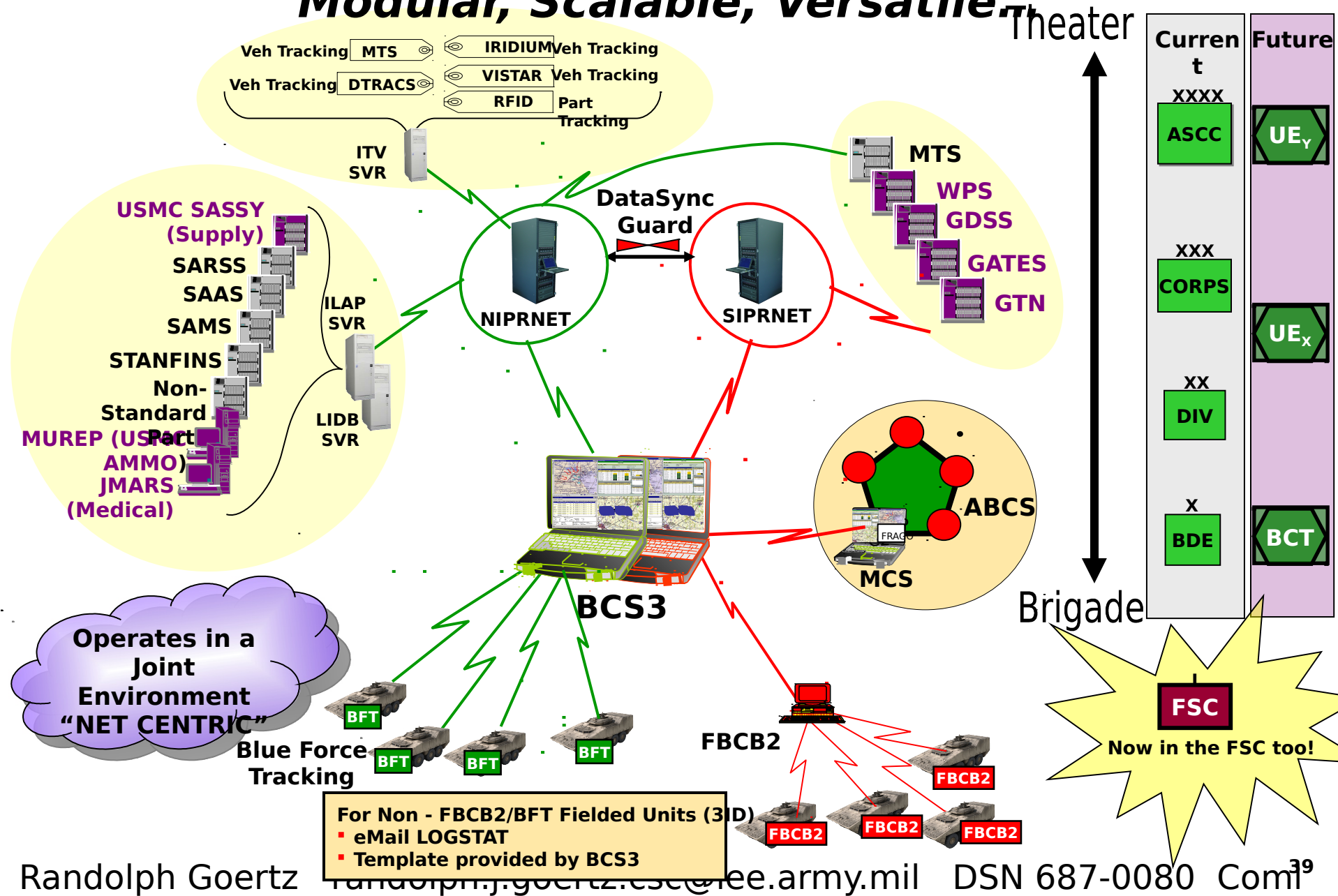
Integrates Strategic Logistics

- Gain commonality by fusing existing data
- Display materiel graphically, with flexibility
- Automate repetitive tasks & queries

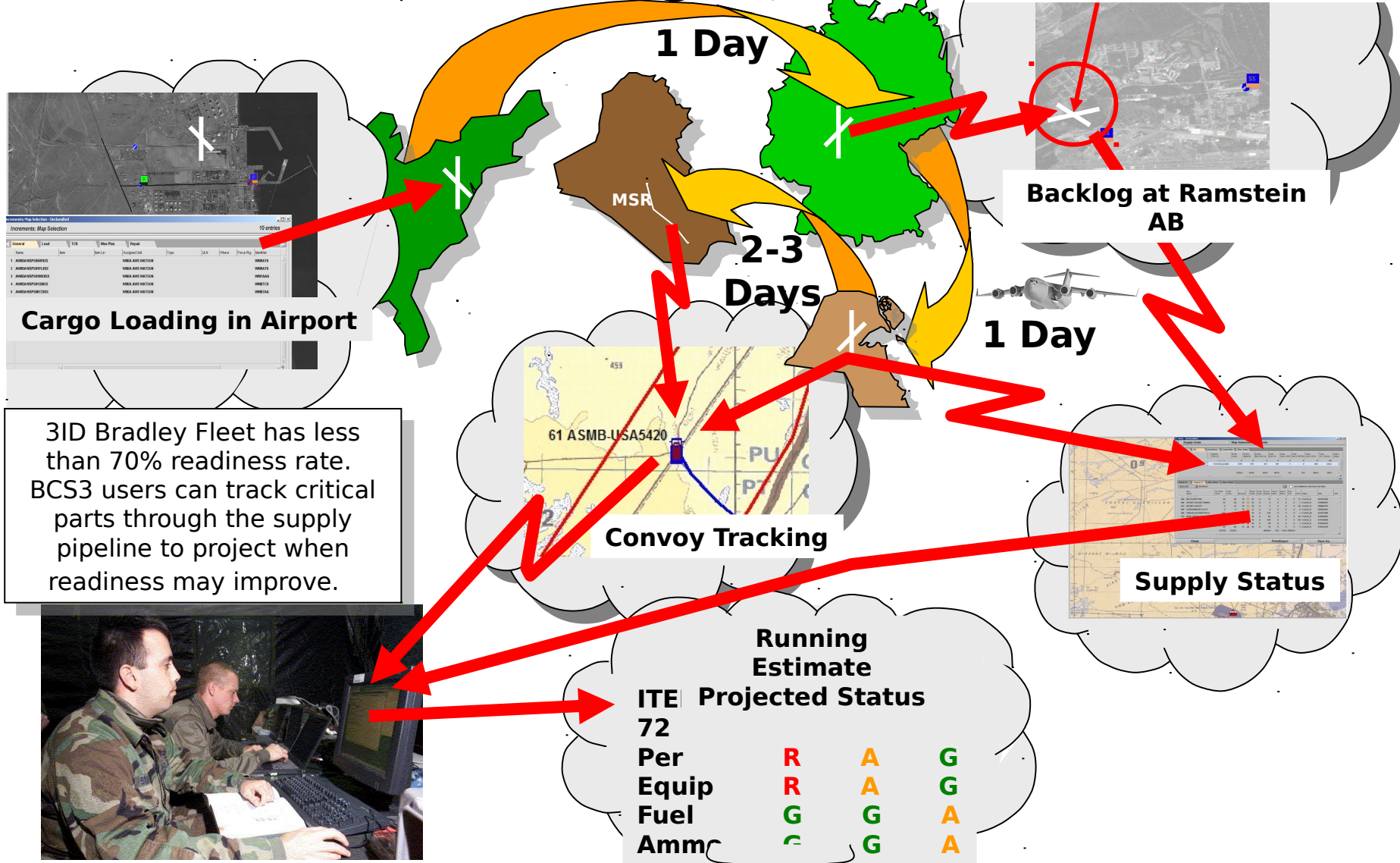


BCS3

Modular, Scalable, Versatile



BCS3 - Battlefield Distribution Management



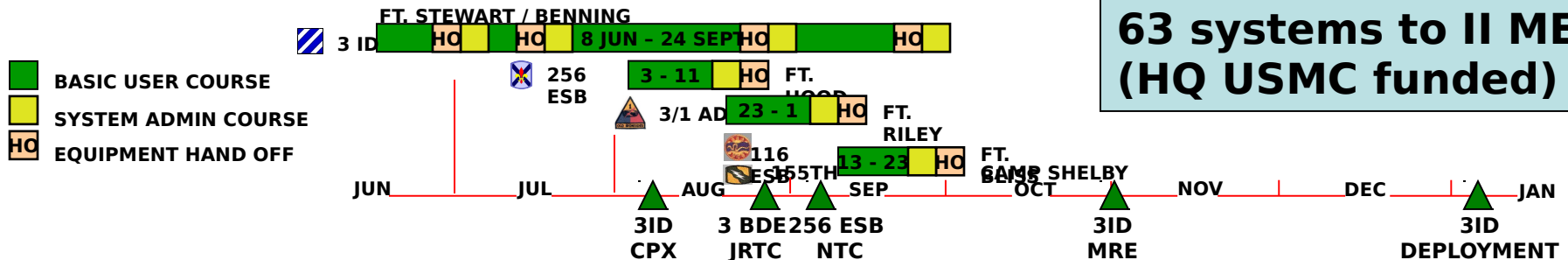
Support to 3ID

Training

Fielding

- 12-16 Jul - Ft Benning
 - Trained 15 users, 7 Sys Admin (SA)
- 7 Jun-1 Oct - Ft Stewart
 - To Date: Trained 45 users, 10 SA
- 29 Jul - 3ID Completed Division CPX
 - Operators enthusiastic about system
 - Operator skills still rudimentary but improving
 - ITV infrastructure expanded for complementary ITV training
- Key Events prior to deployment:
 - 3-26 Aug - Support 3 BDE JRTC rotation
 - 16-27 Aug - Support 256 ESB (3ID TF) NTC rotation
 - 15 Oct-20 Nov - Support 3ID JRTC MRE
- Issue:
 - 3 ID training schedule not optimally flexible for BCS3 fielding/training

- 17 Sep - Complete MTS fielding
 - 192 Mobile Units (V2)
 - 48 Control Stations
 - 84 Vehicle A-Kits
- 19 Jul- 8Oct - CAISI/VSAT fielding
 - 40 systems total to 3ID
- BCS3 - 258 systems total
 - 78 systems total to 3ID
 - 11 systems currently fielded
 - 36 systems to XVIIIth ABC & COSCOM
 - 24 systems to 42nd ID (-)
 - 84 systems to 4ID (Test Unit)
 - 78 systems, 4 servers, 2 guards
 - 36 systems to other units
 - National Level server, 116th, 278th, 256th ESBs, 155th BCT, 3 /1 AD
- Issue:
 - Fielding to 256th ESB to meet HQ Oct 04 deployment



Status Of BCS3 Testing

Certification Testing

- **Thread Testing: Going well.**
All green status by 10 Aug 04
- **Threads being tested: Combat Power, Transportation, ITV, Maneuver**
- **Test-Fix-Test Strategy** accounts for software concerns
- **ABCS 5.4 User Panel 16 Aug 04** to assess state of ABCS Software
- **Primary issues are with ABCS interoperability and selected**

Operational Testing/ Limited User Test (LUT)

- **Field Test Unit - 4ID (Feb-Mar05)**
- **Staffing TEMP/Rewriting COICs**
 - Through ATEC/DOT&E
 - To PEO (11 Aug 04)
- **TTP Development - TSM (Aug 04)**
- **LOGEX w/ Roving Sands Exercise** to adequately test CSS/BCS3
- **Issue: Identifying Training and CSS SME to support test**
(10 requested)

Timeline

1 Mar 04	11 Aug 04	Aug 04	Feb-Mar 05	1 Apr 05
CTSF Testing Began	TEMP To PEO	TSM Delivering TTP	LUT w/ 4ID	Fielding Decision

* COIC - Critical Operational Issues & Criteria

* DOT&E - Director, Operational Test & Evaluation

BCS3

continued spiral development

Beyond LCOP

- **Fieldings**
 - ✓ STRYKER BDEs
 - ✓ 3ID
 - ✓ 42ID(-)
 - ✓ II MEF
 - ✓ Eighth Army/19th TSC
 - ✓ Retrofit III Corps/13th COSCOM
- **Interim Approval to Operate (IATO)-DataSync Guard in USAREUR**
- **Techniques, Tactics & Procedures (TTP)**
 - ✓ 3ID
 - ✓ 4ID
- **STRAP**
 - ✓ Institutional Tng

'Good Enough' 6.4

- **CTSF - Certification Testing (May - Jan 05)**
- **ATEC**
 - ✓ 4ID Testing/Fielding (3QFY05)
 - ✓ TEMP (4QFY04)
 - ✓ COIC (4QFY04)
- **ORD/FRD**
 - ✓ AROC (13 Apr 04)
 - ✓ JROC (TBD spring 05)
 - ✓ Conversion to CDD (2QFY05)
 - ✓ Net Ready KPP (4QFY04)
- **Battle Command Bn & Below C4ISR (Jun-Oct 04)**
- **Modular Redesign**
- **Simulation/Stimulation**
- **Fielding**
 - 4ID (Aug-Dec04)
 - 101st AB (Sep-Nov04)
 - 10th MNT (Aug-Dec04)

Beyond 'Good Enough'

- **SALE Process**
 - Executive - Battle Command
 - ✓ GCSS-ARMY/FCS (LDSS/PS-MRS)/BCS3/JC2-A
- **Joint**
 - ✓ UKFD (Sep04-Jan05)
 - ✓ USMC - SEAWAY
 - ✓ TC-AIMS II Block 3 Initiative
 - ✓ JFCOM
- **Garrison Operations**
 - ✓ SRS/USR
 - ✓ QTB
 - ✓ 2406
 - ✓ Maint/Pers status
 - ✓ Contingency

UF - Unfunded

Army Over Time



**F
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D**

**UNFUNDE
D
TOTALS
FUNDED
TOTALS**

**OIF-III/III.I
UNFUNDED**

FY 04	05	06	07	08	09	10
3 ID (60/4/2) III Corps (150) Unit Funded II MEF (60) Unit Funded Korea (35) Unit Funded 18th ABC (18) National Server (12/4) 42 ID (60/4/2) 155 BCT (6) 278 SAB (6) 256 SAB (6) 3/1 AD (6) 116 SAB (6)	4 ID (60/4/2) 10th MTN (45/4/2) 173 AB (6) 30 AR SAB (6) 81 AR SAB (6) 39 IN SAB (6) 18 AB Corps (4) 1 COSCOM (32/4/2) COSCOM (32/4/2) 25ID (40/4/2) 172 SBCT3 (12)	1 CAV (60/4/2) 82 ABD (60/4/2) 25 ID(12) 218 SIB (6) 116 SAB (6) 256 SAB (6) 278 SAB (6) 41 SIB (6) 1/34AR (6) 5 CORP (4) 3 COSCOM (32/4/2) 34AR DIV (36/4/2) USASOC (80/12/6) SCHOOLS (50/8/4) 2ACR SBCT4 (12)	2ID (60/4/2) 1ID (60/4/2) 1 AR (24) 48 SIB(6) 55/28 IN (6) 155 AR (6) 37/39 IN (6) 149/38 (6) 2/28 AR (6) 1AD (36/4/2) 3 CORP (4) 13 COSCOM (32/4/2) 28 ANG (36/4/2) 38 ANG (36/4/2) 7 ARMY (36/2/1) 8 ARMY (66/2/1) 2/25 ID SBCT 5 (12)	172nd (6) 2/49 AR (6) 36/49 AR (6) 3/42 AR (6) 50/42 AR (6) 86/42 AR (6) 2/40 AR (6) 207 SCT (12) 1 CORP (4) 40 ANG (36/4/2) 42 ANG (36/4/2) 49 ANG (36/4/2) 56 ANG SBCT6 (12)	53 SIB (6) 76 SIB (6) 45 SIB (6) 32 SIB (6) 92 SIB (6) 29 SIB (6)	1/29 IN (6) 3/29 IN (6) 26/29 IN (6) 2/34 IN (6) 66/35 IN (6) 29ANG DIV (36/4/2) 35ANG DIV (36/4/2)
FY 04 UNFUNDED 101AB (60/4/2) 1/25 (12) (SBCT-2) Tot 72/4/2						
425/8/4	258/20/10	382/36/18	438/28/14	178/12/6	00/00/36	102/8/4
1/25 (12) (SBCT-2) 2 BCT (6) 10th MTN	X/82D AB (6) 173 AB (6)	56th TSB (6) 3 ACR (12) 11 ACR (12)				

TOTAL SYSTEMS UFR = 60 +

Acronym Listing

ABCS - Army Battle Command System

AD - Air Defense

AFATDS - Advanced Field Artillery Tactical Data System

AIS - Automated Information System

AIT - Automatic Identification Technology

AKO - Army Knowledge On-Line

ALMC - Asset Life-Cycle Management

AMDPCS - Air and Missile Defense Planning & Control System

AOC - Area of concentration

AOR - Area of Responsibility

ASAS - All Source Analysis System

ATLASS - Asset Tracking Logistics & Supply System (USMC)

BC - Battle Command

BCME - Battle Command Mission Execution

BCS - Battle Command Systems

BCS3 - Battle Command Sustainment Support System

BF-RF - Blue Force - Red Force

BFT - Blue Force Tracking

BSM - Business Systems Modernization

C&A - Collaboration & Analysis

C2 - Command and Control

C2PC - Command and Control Personal Computer (USMC)

C4ISR - Command, Control, Communications, Computers, Intelligence, Surveillance and Reconnaissance

CAISI - Combat Service Support Automated Information Systems Interface

CAPES - Combined Arms Planning and Execution Monitoring System

CCIR - Commander's Critical Information Requirements

Acronym Listing

CDDOC - Centcom Deployment Distribution Operations Center

CENTCOM - Central Command

CFLCC - Coalition Forces Land Component Command

CIT - Critical Item Tracking

CMCC - Corps Movement Control Center

CMMC - Corps Materiel Management Center

COA - Course of Action

COE - Common Operating Environment

COOP - Continuity of Operations Plan

COP - Common Operational Picture

COSCOM - Corps Support Command

COTS - Commercial off-the-shelf

CROPS - Common Relevant Operating Picture System

CSS - Combat Service Support

CSSCS - Combat Service Support Control System

CTP - Common Tactical Picture

DIMHRS - Defense Integrated Military Human Resources System

DMC - Distribution Management Center

DMIS - Defense Management Information System

DTRACS - Defense Transportation Reporting and Control System (USAREUR)

EDI - Electronic Data Interchange

EH&S - Environment, health and Safety

EMILPO - Electronic Military Personnel Office

ERP - Enterprise Resource Planning

FBCB2 - Force XXI Battle Command Brigade and Below

FCS - Future Combat Systems

FLE - Forward Logistics Element

Acronym Listing

FRAGO - Fragmentary Order

FS - Fire Support

FSB - Forward Support Battalion

FUE - First Unit Equipped

GATES - Global Air Transportation Execution System (USAF)

GCCS-A - Global Command and Control System - Army

GCSS - Global Combat Support System

GCSS-AF - Global Combat Support System-Air Force

GCSS-Army(F/T) - Global Combat Support System (Field/Tactical)

GCSS-DLA - Global Combat Support System - Defense Logistics Agency

GCSS-M - Global Combat Support System - Maritime

GDSS - Global Decision Support System (USAF)

GTN21 - Global Transportation Network 21

IATO - Interim Authority to Operate

ILAP - Integrated Logistics Analysis Program

INMARSAT - International Marine/Maritime Satellite (Organization)

IRIDIUM - Satellite System

IRRIS - Intelligent Road/Rail Information System

ISR - Intelligence, Surveillance and Reconnaissance

ITV - Intransit Visibility

J C2 - J oint Command and Control (formerly known as GCCS - Global Command and Control System)

J C2A - J oint Command and Control System-Army

J CROP - J oint Common Relevant Operating Picture

J DLM - J oint Deployment Logistics Model

J FCOM - J oint Forces Command (previously known as ACOM (Atlantic Command))

J FRG II - J oint Force Requirements Generator

Acronym Listing

JIM - Joint, Interagency, and Multinational

J LARB - Joint Logistics Action Response Board

J LWI - Joint Logistics Warfighter Initiative

J MARS - Joint Medical Asset Repository System

J OPES - Joint Operational Planning & Execution System

J TAV - Joint Total Asset Visibility

LAN - Local Area Networks

LCOP - Logistics Common Operating Picture

LDSS - Logistics Decision Support System

LMP - Logistics Modernization Program (AMC Program)

LOGPAC - Logistics Package

MC4/TMIP - Medical Communications for Combat Casualty Care/Theater Medical Information Program

MCS - Maneuver Control System

MDM - Master Data Management

MDMP - Military Decision Making Process

MED - medical

MNF - Multinational Force

MSB - Main Support Battalion

MSE - Mobile Subscriber Equipment

MTS - Movement Tracking System

MUREP - Munitions Report

NIPR - Not Classified But Sensitive Internet Protocol Router

NIPRNET - Non-classified Internet Protocol Router Network

NSN - National Stock Number

OIF - Operation Iraqi Freedom

P&P - Planning and Preparation

PACOM - Pacific Command

PDM - Product Data Management

Acronym Listing

PLM+ - An instance of SAP Product Lifecycle Management augmented with NetWeaver hub

PS-MRS - Platform Soldier - Mission Readiness System

QM - Quality Management Module

RF - Radio Frequency

RFID - Radio Frequency Identification

RSOI - Reception, Staging, Onward Movement and Integration

SA/SU - Situational Awareness/Situational Understanding

SAAS - Standard Army Ammunition System

SALE - Single Army Logistics Enterprise

SAMS - Standard Army Maintenance System

SARSS - Standard Army Retail Supply System

SBCT - Stryker Brigade Combat Team

SDDC - Surface Deployment and Distribution Command (formerly MTMC)

SDP - Service Delivery Point

SEAWAY - Joint Decision-Support System for Sea Base Logistics Planning and Coordination

SIDPERS - Standard Installation/Division Personnel System

SIPR - Secret Internet Protocol Router

SIPRNET - Secret Internet Protocol Router Network

SITREP - Situational Report

SOSCOE - System of Systems Common Operating Environment

SPBS-R - Standard Property Book System-Redesigned

SPO - Support Operations

SSA - Supply Support Activity

STAMIS - Standard Army Management Information System

STANFINS - Standard Army Financial System

TC AIMS II - Transportation Coordinator's Automated Information for Movements System II

Acronym Listing

TCN - Transportation Control Number

TCU - Tactical/Transportable Computer Unit (of CHS-1)

TDC - Theater Distribution Center

TTP - Tactics, Techniques and Procedures

UA - Unit of Action (now Brigade Combat Team)

USAREUR - United States Army, Europe

UTO - Unit Task Organization

VISTAR - Satellite Tracking System

VSAT - Very Small Aperture Terminal

WIN-T - Warfighter Information Network-Tactical

WPS - Worldwide Port System

CSSCS Hardware Migration to BCS3

1995
TCU
UNIX

1996
AN/TYK-22
HCU(-1)
UNIX

2002
AN/TYK-23
VCU-2 V2
UNIX

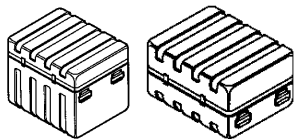
2003
CF73

CSA
"Good Enough"

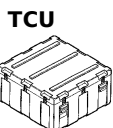
2004
ThinkPad
Windows Platform



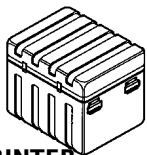
DOT MATRIX PRINTER



MONITOR



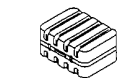
UPS



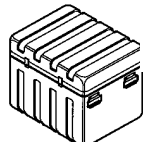
PRINTER



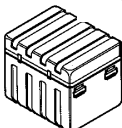
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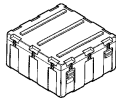
TCIM



PRINTER

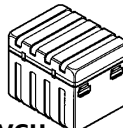


HCU-1

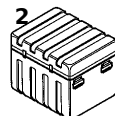


MONITOR

UPS



VCU-2



LLP & ACPC



Windows Platform

Windows Platform

BCS3

- Reduces hardware footprint
- Reduces software complexity
- Increased ease of use
- Reduces training burden

TOTAL \$ PER UNIT: \$62,854	TOTAL \$ PER UNIT: \$50,964	TOTAL \$ PER UNIT: \$45,275	TOTAL \$ PER UNIT: \$5,000	TOTAL \$ PER UNIT: \$3,800
TOTAL WEIGHT LBS: 942	TOTAL WEIGHT LBS: 864	TOTAL WEIGHT LBS: 245	TOTAL WEIGHT LBS: 6	TOTAL WEIGHT LBS: 5